

Datasheet for ABIN1538491  
**anti-KIT antibody (AA 547-577)**



[Go to Product page](#)

1 Image

## Overview

|                      |                                    |
|----------------------|------------------------------------|
| Quantity:            | 400 µL                             |
| Target:              | KIT                                |
| Binding Specificity: | AA 547-577                         |
| Reactivity:          | Human                              |
| Host:                | Rabbit                             |
| Clonality:           | Polyclonal                         |
| Conjugate:           | This KIT antibody is un-conjugated |
| Application:         | Western Blotting (WB)              |

## Product Details

|                       |                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | This KIT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 547-577 amino acids from the Central region of human KIT. |
| Clone:                | RB40382                                                                                                                                                         |
| Isotype:              | Ig Fraction                                                                                                                                                     |
| Predicted Reactivity: | B, C, M, Pig, X                                                                                                                                                 |
| Purification:         | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                |

## Target Details

|                   |                                      |
|-------------------|--------------------------------------|
| Target:           | KIT                                  |
| Alternative Name: | KIT ( <a href="#">KIT Products</a> ) |

## Target Details

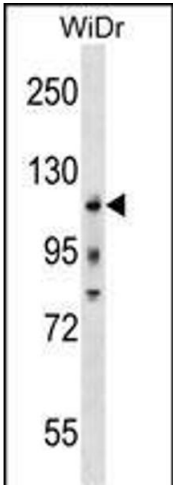
|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background:       | This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene. |
| Molecular Weight: | 109865                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene ID:          | 3815                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NCBI Accession:   | <a href="#">NP_000213</a> , <a href="#">NP_001087241</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| UniProt:          | <a href="#">P10721</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pathways:         | <a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Sensory Perception of Sound</a> , <a href="#">Stem Cell Maintenance</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Regulation of long-term Neuronal Synaptic Plasticity</a>                                                                                                    |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB: 1:1000            |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                   |
| Buffer:            | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.                                             |
| Preservative:      | Sodium azide                                                                                                             |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:           | 4 °C, -20 °C                                                                                                             |
| Storage Comment:   | KIT Antibody (Center Y568/Y570) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C. |
| Expiry Date:       | 6 months                                                                                                                 |



Western Blotting

**Image 1.** KIT Antibody (Center /) (ABIN1538491 and ABIN2838352) western blot analysis in WiDr cell line lysates (35 µg/lane). This demonstrates the KIT antibody detected the KIT protein (arrow).