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anti-WDFY2 antibody

2 Images



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Overview

| Quantity: | 200 μL |
|--------------|--|
| Target: | WDFY2 (ZFYVE22) |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This WDFY2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| Immunogen: | Fusion protein of human WDFY2 |
|------------------|-------------------------------|
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Antigen affinity purification |

Target Details

| Target: | WDFY2 (ZFYVE22) |
|-------------------|--|
| Alternative Name: | WDFY2 (ZFYVE22 Products) |
| Background: | WD repeat and FYVE domain-containing protein 2 (WDFY2), also known as WDF2 and |
| | ZFYVE22, is a 400 amino acid protein that localizes to a set of small endosomes that are found |
| | within 100 nm from the plasma membrane. Highly conserved between species, WDFY2 |
| | consists of one FYVE-type zinc finger and seven WD repeats. The FYVE domain is a cysteine- |

Target Details

rich domain of about 70 amino acids. Its primary role is to target signal-transducing proteins to cell membranes through binding to the membrane lipid phosphatidylinositol-3-phosphate with high specificity. WD-repeats are generally found in clusters of seven. They have no intrinsic catalytic activity, but they serve as a platform for protein-protein interactions. WDFY2 is suspected to play a critical role in the endocytic pathway.

Molecular Weight:

Observed_MW: Refer to figures

Calculated_MW: 45 kDa

UniProt:

Q96P53

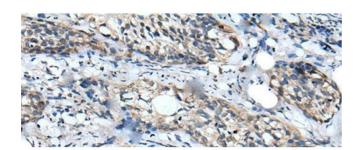
Application Details

Application Notes: WB 1:500-1:2000, IHC 1:30-1:150, ELISA 1:5000-1:10000

Restrictions: For Research Use only

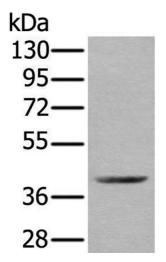
Handling

| Format: | Liquid |
|--------------------|--|
| Concentration: | 0.6 mg/mL |
| Buffer: | PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4 |
| 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: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using WDFY2 Polyclonal Antibody at dilution of 1:40(x200)



Western Blotting

Image 2. Western blot analysis of Mouse kidney tissue lysate using WDFY2 Polyclonal Antibody at dilution of 1:350