

Datasheet for ABIN3030819

**anti-EPH Receptor A3 antibody (AA 115-144)**[Go to Product page](#)**3** Images

## Overview

Quantity:	0.4 mL
Target:	EPH Receptor A3 (EPHA3)
Binding Specificity:	AA 115-144
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EPH Receptor A3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	A portion of amino acids 115-144 from the human protein was used as the immunogen for this EphA3 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse
Purification:	Purified

## Target Details

Target:	EPH Receptor A3 (EPHA3)
Alternative Name:	EphA3 ( <a href="#">EPHA3 Products</a> )
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor,

## Target Details

generally the  $\gamma$  phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).

UniProt: [P29320](#)

Pathways: [RTK Signaling](#), [Regulation of Cell Size](#)

## Application Details

Application Notes: Titration of the EphA3 antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 1:1000, IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

## Handling

Format: Liquid

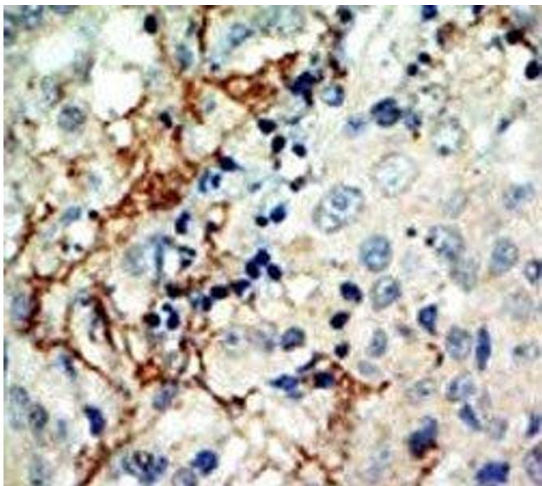
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

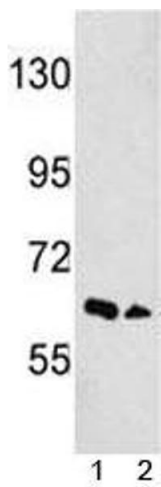
Storage: -20 °C

Storage Comment: Aliquot the EphA3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



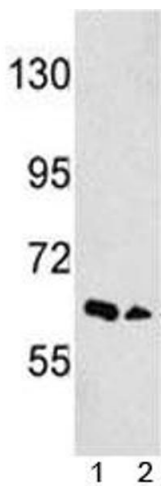
#### Immunohistochemistry

**Image 1.** IHC analysis of FFPE human breast carcinoma tissue stained with the EphA3 antibody



#### Western Blotting

**Image 2.** Western blot analysis of EphA3 antibody and 1) NCI-H460, 2) 293 lysate. Predicted molecular weight: 110/61 kDa (isoforms 1/2).



#### Western Blotting

**Image 3.** Western blot analysis of EphA3 antibody and 1) NCI-H460, 2) 293 lysate. Predicted molecular weight: 110/61 kDa (isoforms 1/2).