

Datasheet for ABIN359956

anti-DDR2 antibody (AA 297-327, AA 304-320)



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1 Image

Overview

Quantity:	0.4 mL
Target:	DDR2
Binding Specificity:	AA 297-327, AA 304-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 297~327 amino acids from aa 304~320 of Human TYRO10.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes DDR2 (TYRO10).
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	DDR2
Alternative Name:	CD167b / DDR2 (DDR2 Products)

Target Details

Background:	Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their microenvironment. These molecules are involved in the regulation of cell growth, differentiation and metabolism. In several cases the biochemical mechanism by which RTKs transduce signals across the membrane has been shown to be ligand induced receptor oligomerization and subsequent intracellular phosphorylation. This autophosphorylation leads to phosphorylation of cytosolic targets as well as association with other molecules, which are involved in pleiotropic effects of signal transduction. RTKs have a tripartite structure with extracellular, transmembrane and cytoplasmic regions. There are several subclasses of RTKs and TYRO10 belongs to a novel subclass. The deduced amino acid sequence of TYRO10 has a unique extracellular region encompassing a factor VIII-like domain, not previously described for RTKs.Synonyms: CD167 antigen-like family member B, Discoidin domain-containing receptor 2, Discoidin domain-containing receptor tyrosine kinase 2, NTRKR3, Neurotrophic tyrosine kinase receptor-related 3, Receptor protein-tyrosine kinase TKT, TKT, TYRO10, Tyrosine-protein kinase TYRO10
Gene ID:	4921, 9606
UniProt:	Q16832
Pathways:	RTK Signaling

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Flow cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 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.
Handling Advice:	Avoid repeated freezing and thawing.

Handling

Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

Images

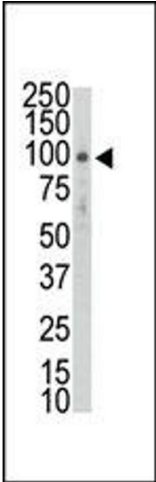


Image 1.