

Datasheet for ABIN2855450
anti-DDR2 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	DDR2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human DDR2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to DDR2 (discoidin domain receptor tyrosine kinase 2) DDR2 antibody [C2C3], C-term
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	DDR2
Alternative Name:	discoidin domain receptor tyrosine kinase 2 (DDR2 Products)
Background:	<p>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. This gene encodes a member of a novel subclass of RTKs and contains a distinct extracellular region encompassing a factor VIII-like domain. Alternative splicing in the 5' UTR results in multiple transcript variants encoding the same protein.</p> <p>Cellular Localization: Membrane</p>
Molecular Weight:	97 kDa
Gene ID:	4921
UniProt:	Q16832
Pathways:	RTK Signaling

Application Details

Application Notes:	WB: 1:1000-1:10000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validation: KO/KD, Overexpression
Restrictions:	For Research Use only

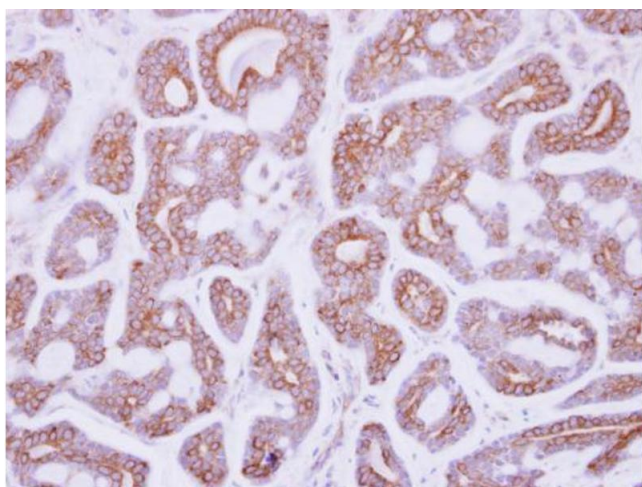
Handling

Format:	Liquid
Concentration:	0.43 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin

Handling

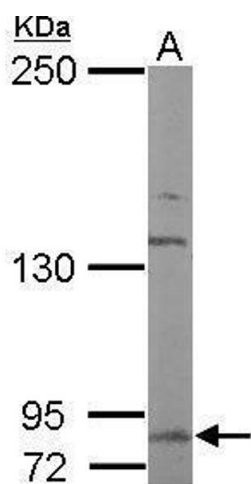
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #103867 for Immunohistochemistry (IHC)



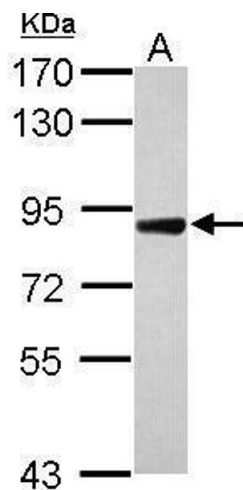
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded human breast cancer, using DDR2, antibody at 1:250 dilution.



Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: mouse brain 5% SDS PAGE antibody diluted at 1:5000



Western Blotting

Image 3. WB Image Sample (30 ug of whole cell lysate) A:
Raji 7.5% SDS PAGE antibody diluted at 1:5000