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Datasheet for ABIN6139473

anti-DDR2 antibody (AA 290-400)





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Purification:

Quantity:	100 μL		
Target:	DDR2		
Binding Specificity:	AA 290-400		
Reactivity:	Human		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This DDR2 antibody is un-conjugated		
Application:	Western Blotting (WB)		
Product Details			
lmmunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 290-400 of human DDR2 (NP_001014796.1).		
Sequence:	NMFAKGVKIF KEVQCYFRSE ASEWEPNAIS FPLVLDDVNP SARFVTVPLH HRMASAIKCQ YHFADTWMMF SEITFQSDAA MYNNSEALPT SPMAPTTYDP MLKVDDSNTR I		
Isotype:	IgG		
Cross-Reactivity:	Human, Mouse, Rat		
Characteristics:	Polyclonal Antibodies		

Affinity purification

Target Details

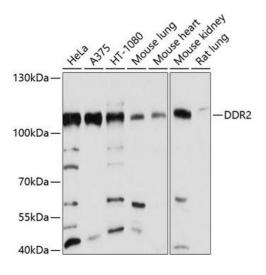
Target:	DDR2			
Alternative Name:	DDR2 (DDR2 Products)			
Background:	Receptor tyrosine kinases (RTKs) play a key role in the communication of cells with their			
	microenvironment. These molecules are involved in the regulation of cell growth, differentiation,			
	and metabolism. In several cases the 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. 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.,DDR2,MIG20a,NTRKR3,TKT,TYRO10,Signal Transduction,Kinase,Tyrosine			
	kinases,Immunology & Inflammation,CD			
	markers,Neuroscience,Cardiovascular,Heart,Cardiogenesis,DDR2			
Molecular Weight:	96 kDa			
Gene ID:	4921			
UniProt:	Q16832			
Pathways:	RTK Signaling			
Application Details				
Application Notes:	WB,1:500 - 1:2000			
Comment:	HIGH QUALITY			
Restrictions:	For Research Use only			
Handling				
Format:	Liquid			
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.			
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

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using DDR2 antibody (ABIN6130247, ABIN6139473, ABIN6139474 and ABIN6214178) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.