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# anti-DDR2 antibody (AA 290-320)





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Quantity:	0.1 mL
Target:	DDR2
Binding Specificity:	AA 290-320
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

## **Product Details**

Immunogen:	This DDR2 antibody is generated from mice immunized with a KLH conjugated synthetic	
	peptide between 290-320 amino acids from human DDR2.	
Clone:	484CT5-5-4	
Isotype:	lgG1	
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.	

#### **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. [provided by RefSeq].

Molecular Weight:	96736
Gene ID:	4921
NCBI Accession:	NP_001014796, NP_006173
UniProt:	Q16832
Pathways:	RTK Signaling

### **Application Details**

Application Notes:	IHC: 1:200. WB: 1:100~1600
Restrictions:	For Research Use only

#### Handling

Format:	Liquid
Buffer:	Mouse monoclonal antibody supplied in crude ascites with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	DDR2 Antibody(Ascites) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



#### **Immunohistochemistry**

**Image 1.** Immunohistochemical analysis of paraffinembedded Human lung section using Pink1 am2058a. am2058a was diluted at 1:200 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.