

ADA15 Rabbit pAb

CatalogNo: YN2254

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse

Applications

- WB,ELISA

MW

- 94kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human protein . at AA range: 50-130

Specificity ADA15 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name ADAM15 MDC15

Protein Name	Disintegrin and metalloproteinase domain-containing protein 15 (ADAM 15) (Metalloprotease RGD disintegrin protein) (Metalloproteinase-like, disintegrin-like, and cysteine-rich protein 15) (MDC-15) (Metargidin)		
	Organism	Gene ID	UniProt ID
	Human	8751 ;	Q13444 ;
	Mouse		O88839 ;
	Rat		Q9QYV0 ;
Cellular Localization	Endomembrane system ; Single-pass type I membrane protein . Cell junction, adherens junction . Cell projection, cilium, flagellum . Cytoplasmic vesicle, secretory vesicle, acrosome . The majority of the protein is localized in a perinuclear compartment which may correspond to the trans-Golgi network or the late endosome. The pro-protein is the major detectable form on the cell surface, whereas the majority of the protein in the cell is processed (By similarity). .		
Tissue specificity	Expressed in colon and small intestine. Expressed in airway smooth muscle and glomerular mesangial cells (at protein level). Ubiquitously expressed. Overexpressed in atherosclerotic lesions. Constitutively expressed in cultured endothelium and smooth muscle. Expressed in chondrocytes. Expressed in airway smooth muscle and glomerular mesangial cells.		
Function	cofactor: Binds 1 zinc ion per subunit., Domain: Disintegrin domain binds to integrin alphaV-beta3., Domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme., Domain: The cytoplasmic domain interacts with endophilin I and sorting nexin 9., Function: May be involved in cell-surface proteolysis, cell adhesion or intracellular protein maturation., PTM: Phosphorylation increases association with PTKs., PTM: The precursor is cleaved by a furin endopeptidase., similarity: Contains 1 disintegrin domain., similarity: Contains 1 EGF-like domain., similarity: Contains 1 peptidase M12B domain., subunit: Interacts with ITAGV-ITGB3 (vitronectin receptor), PACSIN3 and SNX9. PACSIN3 and SNX9 preferentially bind the precursor but not the processed form of ADAM15, suggesting that the interaction occurs in a secretory pathway compartment prior to the medial Golgi (By similarity). Interacts specifically with Src family protein-tyrosine kinases (PTKs). Interacts with SH3PXD2A., tissue specificity: Ubiquitously expressed. Overexpressed in atherosclerotic lesions. Constitutively expressed in cultured endothelium and smooth muscle. Expressed in chondrocytes.,		

| Validation Data

| Contact information

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