

For Research Use Only

FURIN Monoclonal antibody

Catalog Number: 67481-1-Ig 1 Publications



Basic Information

Catalog Number: 67481-1-Ig	GenBank Accession Number: BC012181	Purification Method: Protein G purification
Size: 1500 µg/ml	GeneID (NCBI): 5045	CloneNo.: 1D1B9
Source: Mouse	UNIPROT ID: P09958	Recommended Dilutions: WB 1:1000-1:5000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: furin (paired basic amino acid cleaving enzyme)	
Immunogen Catalog Number: AG13313	Calculated MW: 87 kDa	
	Observed MW: 90-110 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC	WB : A549 cells, COLO 320 cells, NIH/3T3 cells, JAR cells, HeLa cells
Species Specificity: Human, Mouse	IHC : human placenta tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

FURIN, also named as FUR, PACE, PCSK3, SPC1, Kex2p, is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX(K/R)R consensus motif. Furin is synthesized as an inactive zymogen that may minimize the occurrence of premature enzymatic activity that would lead to alternative protein activation or degradation. Glycosylation and other post-translational modifications can make the pre-pro furin run at 100-110 kDa, the mature furin at 98-95 kDa and shed furin at 90 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Ryutaro Moriyama	39153130	Histochem Cell Biol	IHC

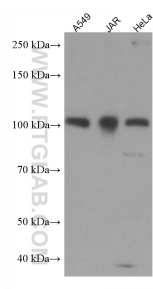
Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

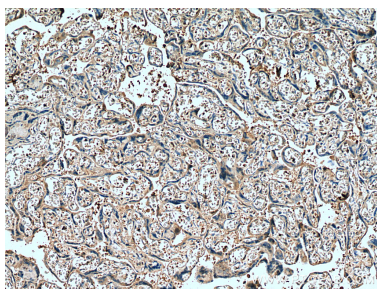
For technical support and original validation data for this product please contact:
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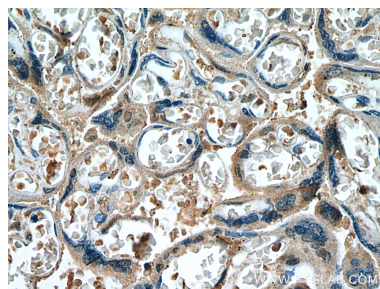
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67481-1-Ig (FURIN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 67481-1-Ig (FURIN antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 67481-1-Ig (FURIN antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).