

UFM1 Rabbit mAb

Catalog No: #52011

Package Size: #52011-1 50ul #52011-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

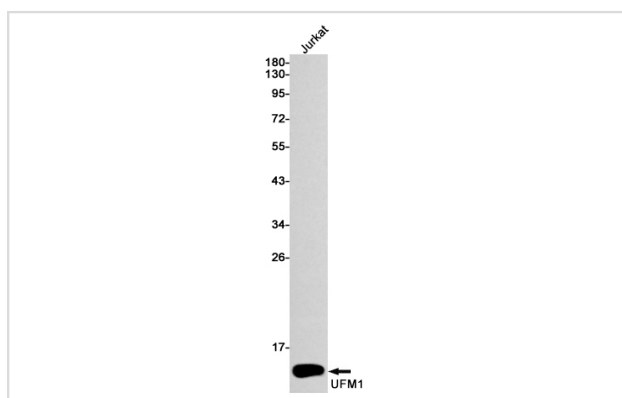
Description

Product Name	UFM1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S02-5G1
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic peptide of human UFM1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	Ubiquitin-fold modifier 1; C13orf20
Accession No.	Swiss-Prot:P61960GenelD:51569
Uniprot	P61960
GenelD	51569
Calculated MW	Calculated MW: 9 kDa; Observed MW: 9 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

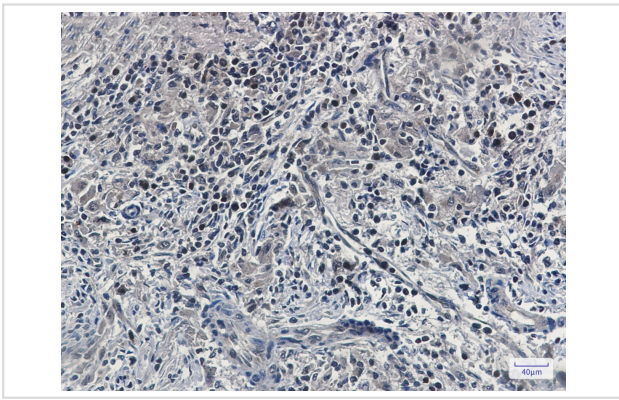
Application Details

WB: 1/1000; IHC: 1/50-1/200;

Images



Western blot detection of UFM1 in Jurkat cell lysates using UFM1 Rabbit mAb(1:1000 diluted).Predicted band size:9kDa.Observed band size:9kDa.



Immunohistochemistry of UFM1 in paraffin-embedded human lung cancer tissue using UFM1 Rabbit mAb at dilution 1/100

Background

Ubiquitin-like modifier which can be covalently attached via an isopeptide bond to lysine residues of substrate proteins as a monomer or a lysine-linked polymer (PubMed:15071506, PubMed:20018847, PubMed:29868776, PubMed:27653677).

The so-called ufmylation, requires the UFM1-activating E1 enzyme UBA5, the UFM1-conjugating E2 enzyme UFC1, and the UFM1-ligase E3 enzyme UFL1 (PubMed:15071506, PubMed:20018847, PubMed:29868776, PubMed:27653677).

Ufmylation is involved in reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress (PubMed:32160526).

Ufmylation of TRIP4 regulates nuclear receptors-mediated transcription (PubMed:25219498).

Note: This product is for in vitro research use only