Product Datasheet

USP19 Antibody

Catalog No: #35118

Package Size: #35118-1 50ul #35118-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

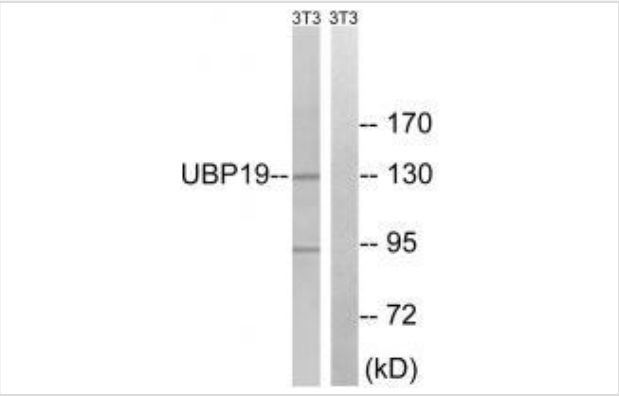
Product Name	USP19 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total USP19 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human USP19.
Target Name	USP19
Other Names	deubiquitinating enzyme 19; EC 3.1.2.15; KIAA0891; UB19; ubiquitin carboxyl-terminal hydrolase 19
Accession No.	Swiss-Prot: O94966NCBI Gene ID: 10869
Uniprot	O94966
GeneID	10869;
SDS-PAGE MW	130kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

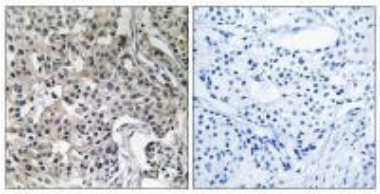
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 3T3 cells, using USP19 antibody #35118.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using USP19 antibody #35118.

Background

Deubiquitinating enzyme that regulates the degradation of various proteins. Deubiquitinates and prevents proteasomal degradation of RNF123 which in turn stimulates CDKN1B ubiquitin-dependent degradation thereby playing a role in cell proliferation. Involved in decreased protein synthesis in atrophying skeletal muscle. Modulates transcription of major myofibrillar proteins. Also involved in turnover of endoplasmic-reticulum-associated degradation (ERAD) substrates. Regulates the stability of BIRC2/c-IAP1 and BIRC3/c-IAP2 by preventing their ubiquitination. Required for cells to mount an appropriate response to hypoxia and rescues HIF1A from degradation in a non-catalytic manner. Plays an important role in 17 beta-estradiol (E2)-inhibited myogenesis. Decreases the levels of ubiquitinated proteins during skeletal muscle formation and acts to repress myogenesis. Exhibits a preference towards 'Lys-63'-linked Ubiquitin chains.

Nagase T., DNA Res. 5:355-364(1998).
The MGC Project Team, Genome Res. 14:2121-2127(2004).
Beausoleil S.A., Proc. Natl. Acad. Sci. U.S.A. 101:12130-12135(2004).

Note: This product is for in vitro research use only