Datasheet for ABIN6938718

anti-Ubiquitin B antibody (AA 1-119)

Go to Product page

Overview

Quantity:	100 µg
Target:	Ubiquitin B (UBB)
Binding Specificity:	AA 1-119
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Ubiquitin B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment of human Ubiquitin protein (around aa 1-119) (exact sequence is proprietary)
Clone:	UBB-2122
Isotype:	IgG1 kappa
Specificity:	Ubiquitin is a highly conserved and plays an essential role in the ubiquitin-proteasome pathway. In ubiquitination process, it is first activated by forming a thiol-ester complex with the activation component E1, which is then transferred to ubiquitin-carrier protein E2, followed by to ubiquitin ligase E3 for final delivery to epsilon-NH2 of the target protein lysine residue. IkB, p53, cdc25A, Bcl-2 etc. are shown as targets of ubiquitin-proteasome process as part of regulation of cell cycle progression, differentiation, cell stress response, and apoptosis. Moreover, ubiquitin have

Product Details

	been reported to bind covalently with pathological inclusions which are resistant to degradation e.g. neurofibrillary tangles/paired helical filaments in Alzheimer's disease, Lewy bodies seen in Parkinson's disease, and Pick bodies found in Pick's disease etc.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Ubiquitin B (UBB)
Alternative Name:	UBB (UBB Products)
Background:	Epididymis secretory protein Li 50, Polyubiquitin B, RPS27A, UBA52, UBA80, UBB, UBC, UBCEP1, UBCEP2, Ubiquitin, Ubiquitin B,Ubiquitin (Autophagy Marker) Cellular localisation: Cell Surface, Cytoplasmic and Nuclear
Molecular Weight:	9kDa
Gene ID:	7314, 356190, 520348
UniProt:	P62979, P62987, P62988
Pathways:	Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Mitotic G1-G1/S Phases, DNA Replication, Toll-Like Receptors Cascades, Synthesis of DNA, Autophagy, EGFR Downregulation, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Known_Application: ELISA (For coating, order Ab without BSA); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes); Optimal dilution for a specific application should be determined. Positive_Control: HeLa or Jurkat cells. Alzheimer's Brain.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL

Handling

Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months