Datasheet for ABIN6940846

Recombinant anti-Ubiquitin B antibody (AA 1-119)

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Overview

Quantity:	100 µg
Target:	Ubiquitin B (UBB)
Binding Specificity:	AA 1-119
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Ubiquitin B antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment of human Ubiquitin protein (around aa 1-119) (exact sequence is proprietary)
Clone:	UBB-3143R
Isotype:	IgG
Purification:	Purified by Protein A/G

Target Details

Target:	Ubiquitin B (UBB)
Alternative Name:	UBB (UBB Products)

Target Details

Background:	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 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.
Molecular Weight:	9kDa
Gene ID:	7314
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:	Positive Control: HeLa or Jurkat cells. Alzheimer's Brain. Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

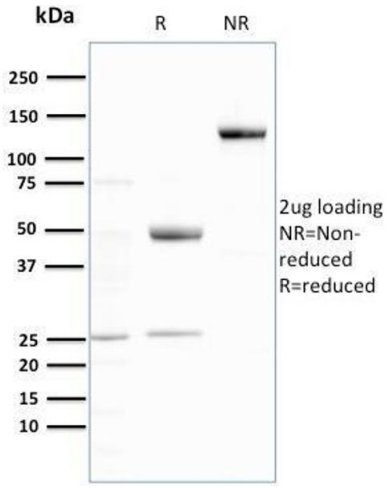
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C

Handling

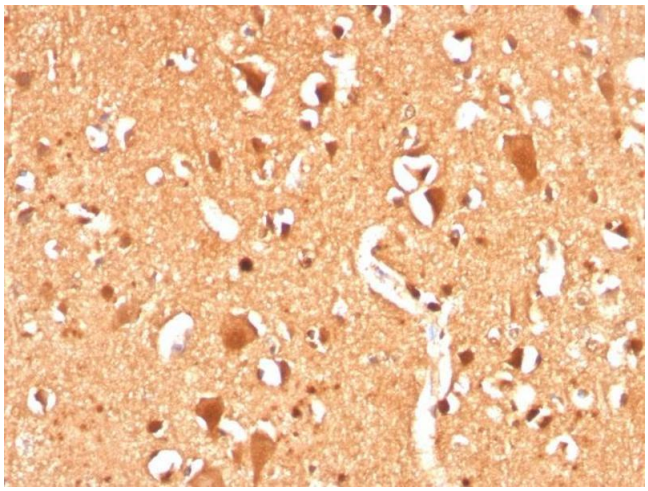
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

Images



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Ubiquitin Recombinant Rabbit Monoclonal Antibody (UBB/3143R). Confirmation of Purity and Integrity of Antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Brain stained with Ubiquitin Recombinant Rabbit Monoclonal Antibody (UBB/3143R).