Datasheet for ABIN534137

anti-RPS27A antibody

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Overview

Quantity:	100 µL
Target:	RPS27A
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RPS27A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against RPS27A.
Immunogen:	Purified ubiquitin conjugated with KLH with glutaraldehyde.
Clone:	Ubi-1
Isotype:	IgG1
Specificity:	This antibody specifically recognizes ubiquitinated cytoplasmic inclusion bodies.
Cross-Reactivity:	Chicken, Cow, Drosophila melanogaster, Human, Mouse, Nematode, Plant, Saccharomyces cerevisiae
Characteristics:	Antibody Reactive Against UBC.

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Target Details

Target:	RPS27A
Alternative Name:	RPS27A (RPS27A Products)
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, EGFR Downregulation

Application Details

Application Notes:	Immunofluorescence (1:500) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In buffer containing 5 mM sodium 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,-20 °C
Storage Comment:	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in:	Dayal, Sparks, Jacob, Allende-Vega, Lane, Saville: "Suppression of the deubiquitinating enzyme USP5 causes the accumulation of unanchored polyubiquitin and the activation of p53." in: **The Journal of biological chemistry**, Vol. 284, Issue 8, pp. 5030-41, (2009) (PubMed). Stuttmann, Lechner, Guérois, Parker, Nussaume, Genschik, Noël: "COP9 signalosome- and 26S proteasome-dependent regulation of SCFTIR1 accumulation in Arabidopsis." in: **The Journal of biological chemistry**, Vol. 284, Issue 12, pp. 7920-30, (2009) (PubMed). Watson, Lagow, Xu, Zhang, Bonini: "A drosophila model for amyotrophic lateral sclerosis reveals

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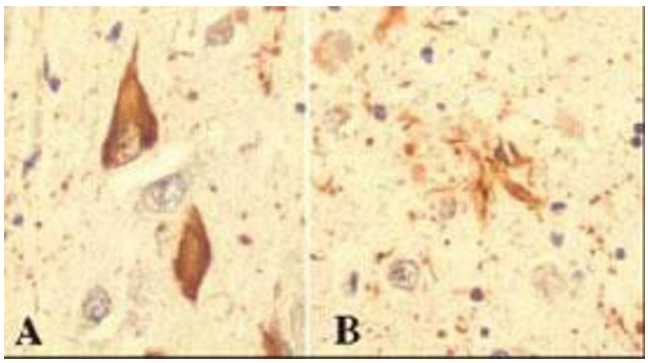
Publications

motor neuron damage by human SOD1." in: **The Journal of biological chemistry**, Vol. 283, Issue 36, pp. 24972-81, (2008) (PubMed).

Cripps, Thomas, Jeng, Yang, Davies, Yang: "Alzheimer disease-specific conformation of hyperphosphorylated paired helical filament-Tau is polyubiquitinated through Lys-48, Lys-11, and Lys-6 ubiquitin conjugation." in: **The Journal of biological chemistry**, Vol. 281, Issue 16, pp. 10825-38, (2006) (PubMed).

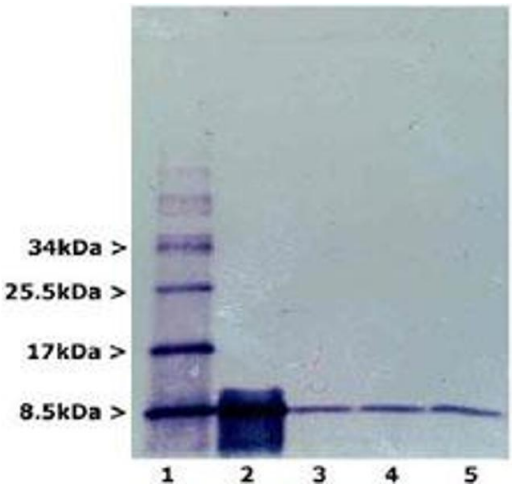
Lichtenfels, Kellner, Atkins, Bukur, Ackermann, Beck, Brenner, Melchior, Seliger: "Identification of metabolic enzymes in renal cell carcinoma utilizing PROTEOMEX analyses." in: **Biochimica et biophysica acta**, Vol. 1646, Issue 1-2, pp. 21-31, (2003) (PubMed).

Images



Immunohistochemistry

Image 1. Immunohistochemical staining of RPS27A in hippocampal tissue from an Alzheimer patient, using RPS27A monoclonal antibody, clone Ubi-1 .



Western Blotting

Image 2. Western blot analysis of RPS27A using RPS27A monoclonal antibody, clone Ubi-1 . Lane 1 is mono-ubiquitin and polyubiquitin chains. Lane 2 is monoubiquitin only (overloaded). Lanes 3, 4 and 5 are 0.1 mg rat cerebellum, cortex, and brain stem respectively. 20% gels with PVDF blots (Nitrocellulose works but not as well).

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