Datasheet for ABIN656020

anti-SERPINB5 antibody (AA 94-123)

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Overview

Quantity:	400 µL
Target:	SERPINB5
Binding Specificity:	AA 94-123
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SERPINB5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Maspin antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 94-123 amino acids from the Central region of human Maspin.
Clone:	RB18808
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SERPINB5
Alternative Name:	Maspin (SERPINB5 Products)

Target Details

Background:	SERPINB5 is a tumor suppressor. It blocks the growth, invasion, and metastatic properties of mammary tumors. As it does not undergo the S (stressed) to R (relaxed) conformational transition characteristic of active serpins, it exhibits no serine protease inhibitory activity.
Molecular Weight:	42100
Gene ID:	5268
NCBI Accession:	NP_002630
UniProt:	P36952
Pathways:	p53 Signaling

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

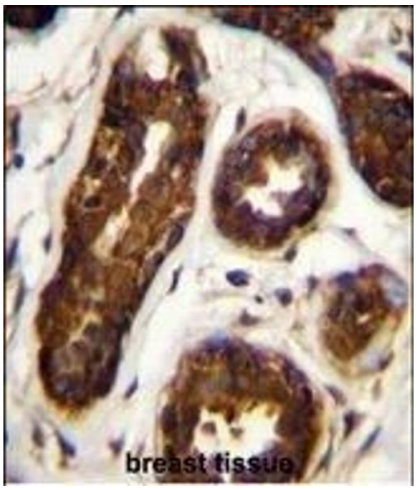
Product cited in:	Davidson, Robinson, Rollinson, Pickering-Brown, Xiao, Robertson, Mann: "Immunohistochemical detection of C9orf72 protein in frontotemporal lobar degeneration and motor neurone disease: patterns of immunostaining and an evaluation of commercial antibodies." in: **Amyotrophic lateral sclerosis & frontotemporal degeneration**, Vol. 19, Issue 1-2, pp. 102-111, (2018) (PubMed).

Publications

Sullivan, Zhou, Robins, Paushter, Kim, Smolka, Hu: "The ALS/FTLD associated protein C9orf72 associates with SMCR8 and WDR41 to regulate the autophagy-lysosome pathway." in: **Acta neuropathologica communications**, Vol. 4, Issue 1, pp. 51, (2017) (PubMed).

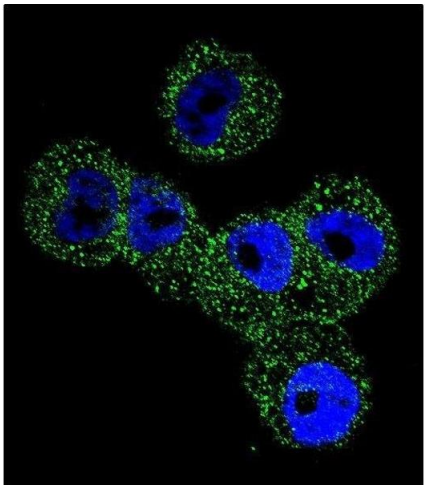
Burberry, Suzuki, Wang, Moccia, Mordes, Stewart, Suzuki-Uematsu, Ghosh, Singh, Merkle, Koszka, Li, Zon, Rossi, Trowbridge, Notarangelo, Eggan: "Loss-of-function mutations in the C9ORF72 mouse ortholog cause fatal autoimmune disease." in: **Science translational medicine**, Vol. 8, Issue 347, pp. 347ra93, (2017) (PubMed).

Images



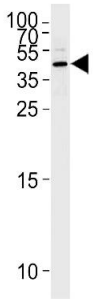
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Maspin Antibody (Center) (ABIN656020 and ABIN2845395) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Maspin Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of Maspin Antibody (Center) (ABIN656020 and ABIN2845395) with cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. Western blot analysis of lysate from Hela cell line,using Maspin Antibody (Center) (ABIN656020 and ABIN2845395). (ABIN656020 and ABIN2845395) was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35 µg per lane.