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Datasheet for ABIN953271
anti-MST1 antibody (C-Term)

3 Images

Overview

Quantity:	0.4 mL
Target:	MST1
Binding Specificity:	AA 475-505, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MST1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 475-505 amino acids from the C-terminal region of human MST1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human MST1 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	MST1
Alternative Name:	Macrophage Stimulatory Protein (MST1 Products)

Target Details

Background: The protein encoded by this gene contains four kringle domains and a serine protease domain, similar to that found in hepatic growth factor. Despite the presence of the serine protease domain, the encoded protein may not have any proteolytic activity. The receptor for this protein is RON tyrosine kinase, which upon activation stimulates ciliary motility of ciliated epithelial lung cells. This protein is secreted and cleaved to form an alpha chain and a beta chain bridged by disulfide bonds. Synonyms: D3F15S2, DNF15S2, HGFL, Hepatocyte growth factor-like protein, Hepatocyte growth factor-like protein alpha chain, Hepatocyte growth factor-like protein beta chain, MSP, MST1, Macrophage-stimulating protein

Molecular Weight: 80320 Da

Gene ID: 4485

NCBI Accession: [NP_066278](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

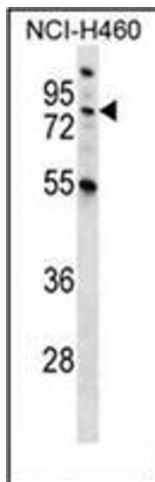
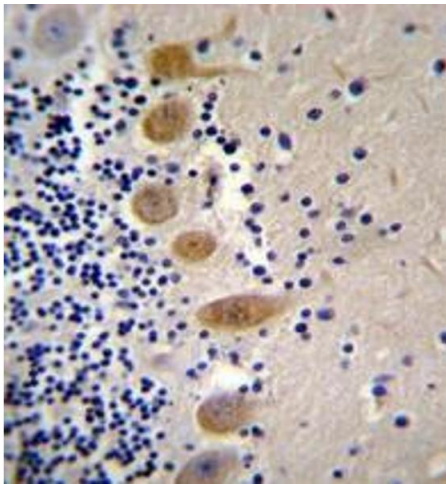
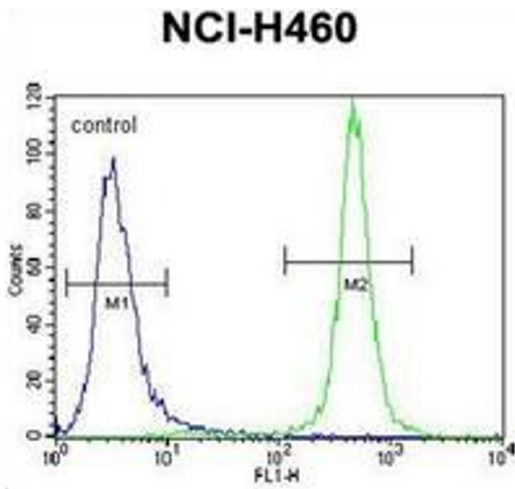
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of NCI-H460 cells using MST1 Antibody (C-term) Cat.-No AP52761PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue reacted with MST1 Antibody (C-term) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of MST1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 3. Western blot analysis of MST1 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). This demonstrates the MST1 antibody detected the MST1 protein (arrow).