

Product datasheet

Anti-MCK10/NEP (phospho Y513) antibody ab193550

2 Images

Overview

Product name	Anti-MCK10/NEP (phospho Y513) antibody
Description	Rabbit polyclonal to MCK10/NEP (phospho Y513)
Host species	Rabbit
Specificity	ab193550 detects endogenous levels of MCK10/NEP only when phosphorylated at tyrosine 513.
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human MCK10/NEP (phospho Y513) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: Q08345
Positive control	Extracts from JK cells. Human brain tissue.
General notes	This product was previously labelled as MCK10

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 0.87% Sodium chloride, 49% PBS PBS is without Mg ²⁺ and Ca ²⁺
Purity	Immunogen affinity purified
Purification notes	ab193550 was purified by affinity-chromatography using an-epitope specific phosphopeptide. Non-phosphopeptide specific antibodies were removed by chromatography using non-phosphopeptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab193550** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 101 kDa.
IHC-P		1/50 - 1/100.

Target

Function

May be involved in cell-cell interactions and recognition.

Tissue specificity

Detected in T-47D, MDA-MB-175 and HBL-100 breast carcinoma cells, A431 epidermoid carcinoma cells, SW48 and SNU-C2B colon carcinoma cells and Hs 294T melanoma cells (at protein level). Expressed at low levels in most adult tissues and is highest in the brain, lung, placenta and kidney. Lower levels of expression are detected in melanocytes, heart, liver, skeletal muscle and pancreas. Abundant in breast carcinoma cell lines. In the colonic mucosa, expressed in epithelia but not in the connective tissue of the lamina propria. In the thyroid gland, expressed in the epithelium of the thyroid follicles. In pancreas, expressed in the islets of Langerhans cells, but not in the surrounding epithelial cells of the exocrine pancreas. In kidney, expressed in the epithelia of the distal tubules. Not expressed in connective tissue, endothelial cells, adipose tissue, muscle cells or cells of hematopoietic origin.

Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 1 F5/8 type C domain. Contains 1 protein kinase domain.

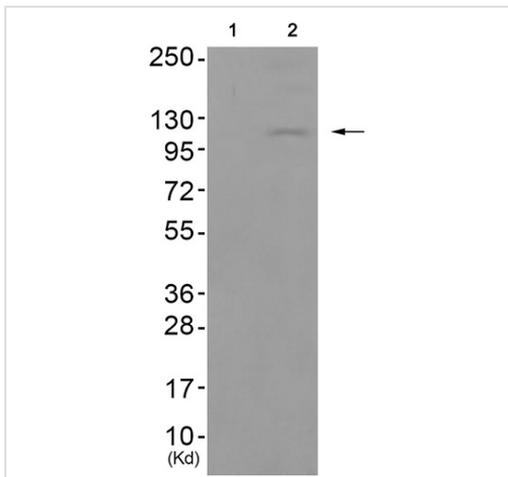
Domain

The Gly/Pro-rich domains may be required for an unusual geometry of interaction with ligand or substrates.

Cellular localization

Secreted and Membrane.

Images



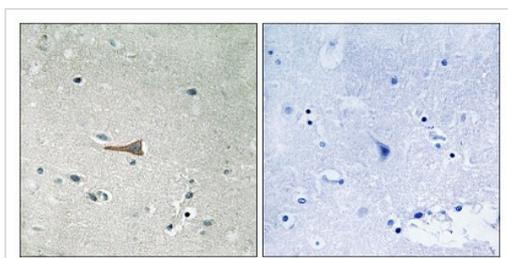
Western blot - Anti-MCK10/NEP (phospho Y513) antibody (ab193550)

All lanes : Anti-MCK10/NEP (phospho Y513) antibody (ab193550) at 1/500 dilution

Lane 1 : Jurkat cell extract with antigen specific peptide

Lane 2 : Extracts from JK cells

Predicted band size: 101 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MCK10/NEP (phospho Y513) antibody (ab193550)

Immunohistochemical analysis of paraffin-embedded Human brain tissue sections labeling MCK10/NEP (phospho Y513) with ab193550 at a 1/50 dilution. Right image treated with blocking peptide.

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