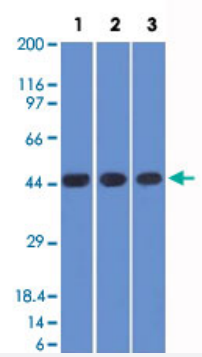
NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239

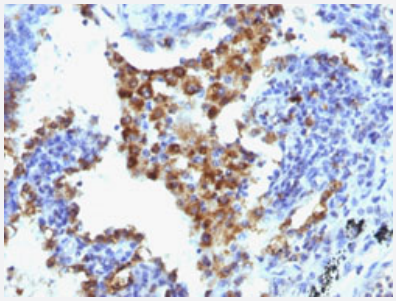
Catalog # MAB15062 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: K562, Lane 2: HEK293 and Lane 3: A549 cell lysates with NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239 (Cat # MAB15062).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung adenocarcinoma with NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239 (Cat # MAB15062).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human NAPSA.
Immunogen	Recombinant protein corresponding to amino acids 189-299 of human NAPSA.
Host	Mouse
Theoretical MW (kDa)	37
Reactivity	Human
Form	Liquid

Purification	Protein A purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10^6 cells) Immunofluorescence (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) Western Blotting (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: K562, Lane 2: HEK293 and Lane 3: A549 cell lysates with NAPSA monoclonal antibody, clone NAPSA/1238 + NAPSA/1239 (Cat # MAB15062).

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- Immunofluorescence

- Flow Cytometry

Gene Info — NAPSA

Entrez GeneID	9476
Protein Accession#	O96009
Gene Name	NAPSA
Gene Alias	KAP, Kdap, NAP1, NAPA, SNAPA
Gene Description	napsin A aspartic peptidase
Omim ID	605631

Gene Ontology	Hyperlink
Gene Summary	The activation peptides of aspartic proteinases plays role as inhibitors of the active site. These peptide segments, or pro-parts, are deemed important for correct folding, targeting, and control of the activation of aspartic proteinase zymogens. The pronapsin A gene is expressed predominantly in lung and kidney. Its translation product is predicted to be a fully functional, glycosylated aspartic proteinase precursor containing an RGD motif and an additional 18 residues at its C-terminus. [provided by RefSeq
Other Designations	napsin A|pronapsin A

Publication Reference

- Napsin A expression in lung and kidney neoplasia: a review and update.

  Nelson G Ordonez.

  Advances in Anatomic Pathology 2012 Jan; 19(1):66.

  Application: IHC-P, Human, Human lung adenocarcinomas, Human renal cell carcinomas

- Combination of napsin A and TTF-1 immunohistochemistry helps in differentiating primary lung adenocarcinoma from metastatic carcinoma in the lung.

  Jiqing Ye, Jennifer J Findeis-Hosey, Qi Yang, Loralee A McMahon, Jorge L Yao, Faqian Li, Haodong Xu.

  Applied Immunohistochemistry & Molecular Morphology 2011 Jul; 19(4):313.

  Application: IHC-P, Human, Human lung adenocarcinoma, Human renal cell carcinomas, Human tissue microarray

- Napsin A and thyroid transcription factor-1 expression in carcinomas of the lung, breast, pancreas, colon, kidney, thyroid, and malignant mesothelioma.

  Justin A Bishop, Rajni Sharma, Peter B Illei.

  Human Pathology 2010 Jan; 41(1):20.

  Application: IHC-P, Human, Human tissue microarray

Pathway

- Lysosome