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Product datasheet for UM800105

NAPSIN A (NAPSA) Mouse Monoclonal Antibody [Clone ID: UMAB213]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB213
Applications:	10k-ChIP, IHC
Recommended Dilution:	IHC 1:200~40000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 64-244 of human NAPSA(NP_004842) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5~1.0 mg/ml (Lot Dependent)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	42.7 kDa
Gene Name:	napsin A aspartic peptidase
Database Link:	NP_004842 Entrez Gene 9476 Human O96009
Background:	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, Jul 2008]

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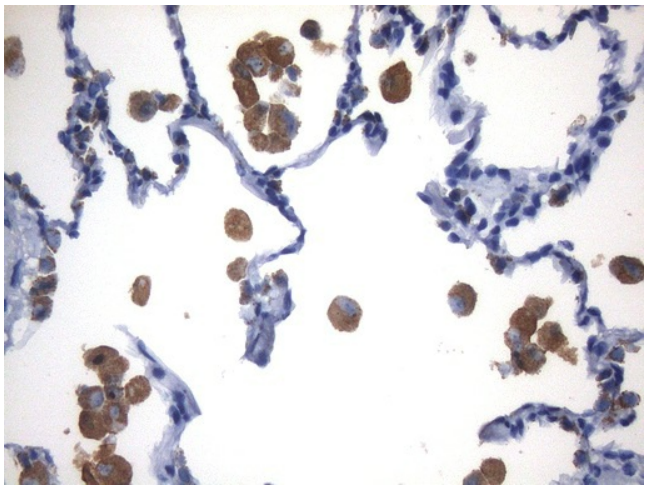
Synonyms: KAP; Kdap; NAP1; NAPA; SNAPA

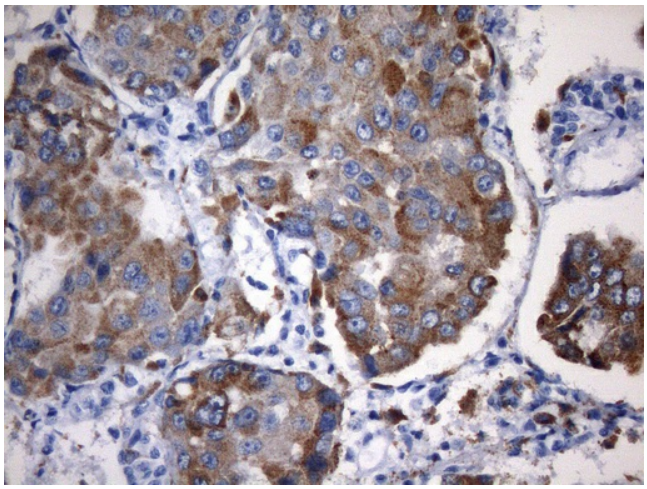
Protein Families: Druggable Genome, Protease

Protein Pathways: Lysosome

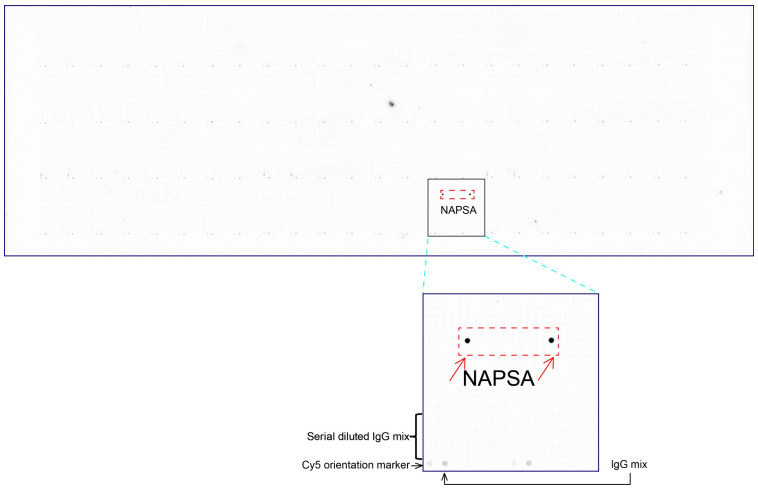
Product images:



Immunohistochemical staining of paraffin-embedded human lung tissue located within the normal limits of tumor using anti-NAPSA mouse monoclonal antibody. HIER pretreatment was with 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 min, UM800105 was diluted 1:40000 and detected with HRP-DAB. Strong cytoplasmic and membrane staining seen in the macrophages and pneumocyte. Other cell types in lung are negative.



Immunohistochemical staining of paraffin-embedded carcinoma of human lung tissue using anti-NAPSA mouse monoclonal antibody. HIER pretreatment with 1mM EDTA in 10mM Tris buffer (pH8.0) at 120°C for 2.5 minutes. UM800105 was diluted 1:40000 and detected with HRP secondary and DAB chromogen. Strong cytoplasmic and membraneous staining seen in the tumor cells.



OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-NAPSA mouse monoclonal antibody (UM800105). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification (1:200).