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Napsin A (Lung Adenocarcinoma Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone NAPSA/1238]
Catalog # AH12714

Product Information

Application	WB, IHC, IF, FC
Primary Accession	O96009
Other Accession	9476, 512843
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG, kappa
Clone Names	NAPSA/1238
Calculated MW	45387

Additional Information

Gene ID	9476
Other Names	Napsin-A, 3.4.23.-, Aspartyl protease 4, ASP4, Asp 4, Napsin-1, TA01/TA02, NAPSA, NAP1, NAPA
Application Note	WB~~1:1000 IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Napsin A (Lung Adenocarcinoma Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NAPSA
Synonyms	NAP1, NAPA
Function	May be involved in processing of pneumocyte surfactant precursors.
Cellular Location	Secreted.
Tissue Location	Expressed predominantly in adult lung (type II pneumocytes) and kidney and in fetal lung. Low levels in adult spleen and very low levels in peripheral blood leukocytes

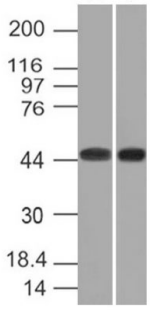
Background

Napsin is a pepsin-like aspartic proteinase connected with maturation of surfactant protein B. There are two closely related napsins, napsin A and napsin B. Napsin A is expressed as a single chain protein. Immunohistochemical studies revealed high expression levels of napsin A in human lung and kidney but low expression in spleen. Napsin A is expressed in type II pneumocytes and in adenocarcinomas of lung. The high specificity expression of napsin A in adenocarcinomas of lung is useful to distinguish primary lung adenocarcinomas from adenocarcinomas of other organs.

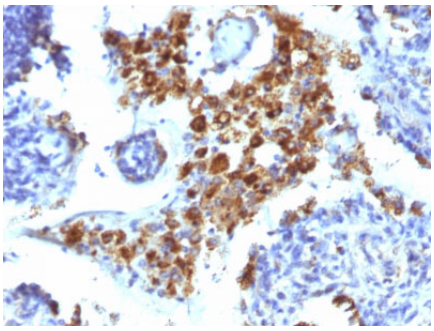
References

Bishop, JA et. al. Hum Pathol 41: 20-25 | Ordonez, NG 2012 Adv Anat Pathol 19: 66-73 | Ye, J et. al. Appl Immunhistochem Mol Morphol 19: 313-31

Images



Western Blot of K562 and HEK293 Cell Lysates using Napsin-A Monoclonal Antibody (NAPSA/1238)



Formalin-fixed, paraffin-embedded human Lung Adenocarcinoma stained with Napsin-A Monoclonal Antibody (NAPSA/1238).