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Anti-Prosaposin Antibody

Rabbit polyclonal antibody to Prosaposin
Catalog # AP60775

Product Information

Application	WB, IHC
Primary Accession	P07602
Other Accession	Q61207
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58113

Additional Information

Gene ID	5660
Other Names	GLBA; SAP1; Prosaposin; Proactivator polypeptide
Target/Specificity	Recognizes endogenous levels of Prosaposin protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

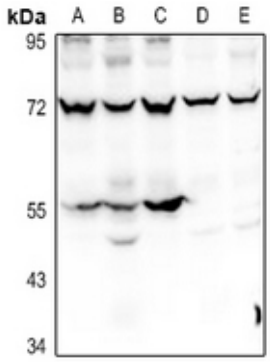
Protein Information

Name	PSAP
Synonyms	GLBA, SAP1
Function	Saposin-A and saposin-C stimulate the hydrolysis of glucosylceramide by beta-glucosylceramidase (EC 3.2.1.45) and galactosylceramide by beta-galactosylceramidase (EC 3.2.1.46). Saposin- C apparently acts by combining with the enzyme and acidic lipid to form an activated complex, rather than by solubilizing the substrate. Saposin-D is a specific sphingomyelin phosphodiesterase activator (EC 3.1.4.12). Saposins are specific low-molecular mass non-enzymic proteins, they participate in the lysosomal degradation of sphingolipids, which takes place by the sequential action of specific hydrolases.
Cellular Location	Lysosome

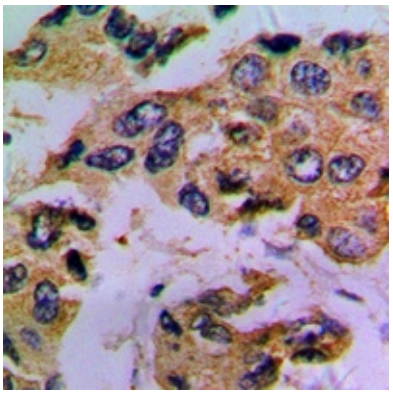
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Prosaposin. The exact sequence is proprietary.

Images



Western blot analysis of Prosaposin expression in A549 (A), HCT116 (B), LO2 (C), H9C2 (D), MEF (E) whole cell lysates.



Immunohistochemical analysis of Prosaposin staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.