

# Anti-Prosaposin Antibody

Rabbit polyclonal antibody to Prosaposin Catalog # AP60775

#### **Product Information**

ApplicationWB, IHCPrimary AccessionP07602Other AccessionO61207

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** KLH-conjugated synthetic peptide encompassing a sequence within the center

region of human Prosaposin. The exact sequence is proprietary.

**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

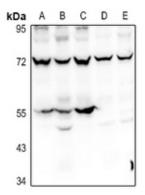
action of specific hydrolases.

Lysosome

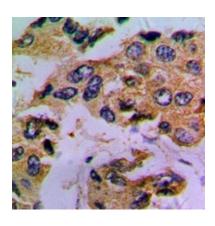
## **Background**

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.

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