

Anti-Epigen Picoband Antibody

Catalog # ABO13074

Product Information

Application	WB, E
Primary Accession	Q924X1
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Epigen(Epgn) detection. Tested with WB, ELISA in Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	71920
Other Names	Epigen, Epithelial mitogen, EPG, Epgn
Calculated MW	16799
Application Details	ELISA , 0.1-0.5 µg/ml, Mouse, Western blot, 0.1-0.5 µg/ml, Rat, Mouse,
Subcellular Localization	Membrane ; Single-pass type I membrane protein .
Source	Eukaryota
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived mouse Epigen recombinant protein (Position: A19-K109). Mouse Epigen shares 82.8% amino acid (aa) sequence identity with human Epigen.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Name	Epgn
Function	Promotes the growth of epithelial cells. May stimulate the phosphorylation of EGFR and mitogen-activated protein kinases.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Expressed at low levels in testis, heart and liver.

Background

Epigen also known as epithelial mitogen is a protein that in humans is encoded by the EPGN gene. The protein encoded by this gene is a member of the epidermal growth factor family. Members of this family are ligands for the epidermal growth factor receptor and play a role in cell survival, proliferation and migration. This protein has been reported to have high mitogenic activity but low affinity for its receptor. Expression of this transcript and protein have been reported in cancer specimens of the breast, bladder, and prostate.

Images

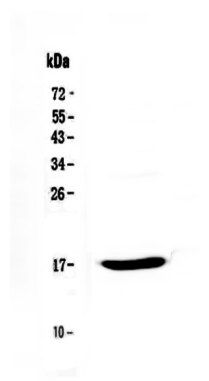


Figure 1. Western blot analysis of Epigen using anti-Epigen antibody (ABO13074).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.