

Anti-Epigen Picoband Antibody Catalog # ABO13073

Specification

Anti-Epigen Picoband Antibody - Product Information

Application	WB
Primary Accession	Q6UW88
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Epigen(EPGN) detection. Tested with WB in Human;Rat.

Reconstitution

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

Anti-Epigen Picoband Antibody - Additional Information

Gene ID 255324

Other Names

Epigen, Epithelial mitogen, EPG, EPGN

Calculated MW

17091 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Rat

Subcellular Localization

Isoform 1: Membrane ; Single- pass type I membrane protein .

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

Immunogen

E. coli-derived human Epigen recombinant protein (Position: A23-K110). Human Epigen shares 85.7% amino acid (aa) sequence identity with mouse Epigen.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After r°Constitution, 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.

Anti-Epigen Picoband Antibody - Protein Information

Name EPGN

Function

Promotes the growth of epithelial cells. May stimulate the phosphorylation of EGFR and mitogen-activated protein kinases.

Cellular Location

[Isoform 1]: Membrane; Single-pass type I membrane protein [Isoform 3]: Secreted. [Isoform 5]: Secreted.

Anti-Epigen Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Epigen Picoband Antibody - Images

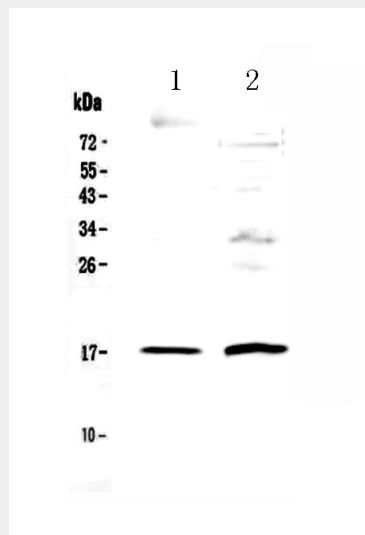


Figure 1. Western blot analysis of Epigen using anti-Epigen antibody (ABO13073).

Anti-Epigen Picoband Antibody - 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.