

## BMPR1A RABBIT PAB

**Cat.#:** S216373

**Product Name:** Anti-BMPR1A Rabbit Polyclonal Antibody

**Synonyms:** ALK3; SKR5; ALK-3; CD292; ACVRLK3; BMPR-1A; 10q23del

**UNIPROT ID:** P36894 (Gene Accession - BC028383 )

**Background:** The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding.

**Immunogen:** Fusion protein of human BMPR1A

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

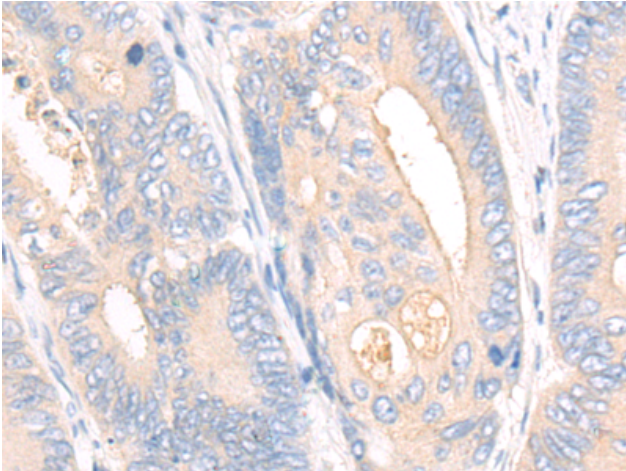
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

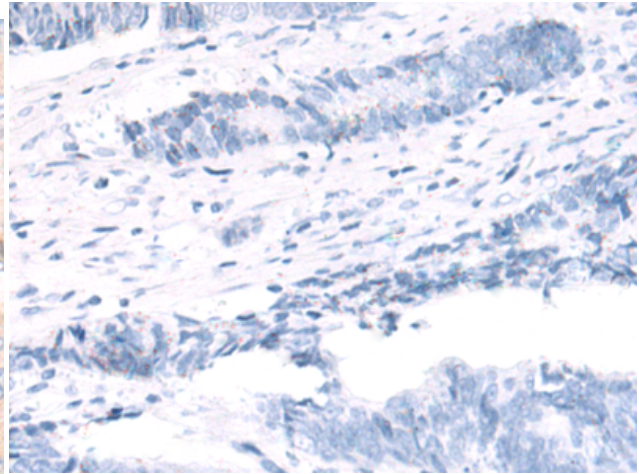
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Stem Cells, Cardiovascular, Metabolism

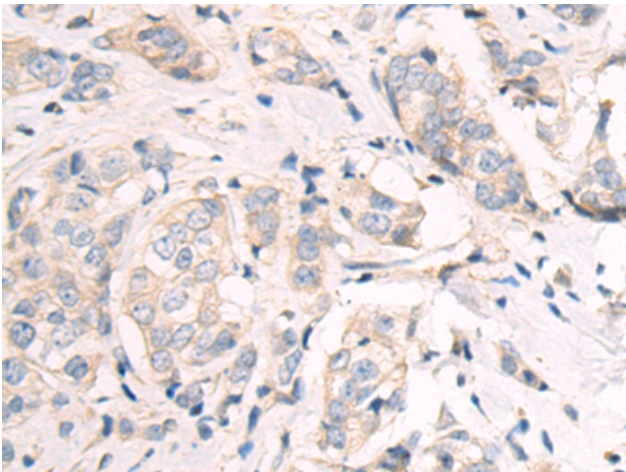
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



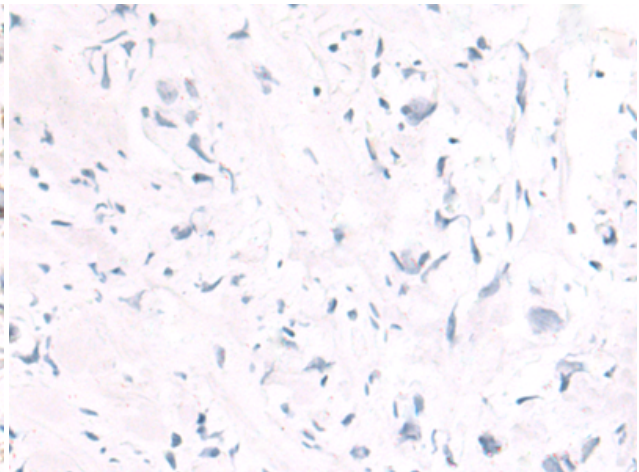
Immunohistochemistry analysis of paraffin-embedded Human colorectal cancer tissue using 216373 (BMPRIA Antibody) at a dilution of 1/80 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with the fusion protein and then with 216373 (Anti-BMPRIA Antibody) at dilution 1/80.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 216373 (Anti-BMPRIA Antibody) at a dilution of 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with fusion protein and then with D220319 (Anti-BMPRIA Antibody) at dilution 1/80.