Anti-PTGES2 antibody ab96189

Overview

Product name: Anti-PTGES2 antibody
Description: Rabbit polyclonal to PTGES2
Host species: Rabbit
Tested applications: Suitable for: WB
Species reactivity: Reacts with: Human
Predicted to work with: Mouse, Rat, Cow, Dog
Immunogen: Recombinant fragment containing a sequence corresponding to a region within amino acids 106-313 of Human PTGES2 (NP_079348).
Positive control: 293T and Molt4 whole cell lysates; HepG2 and Raji lysates

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer: Preservative: 0.01% Thimerosal (merthiolate)
Constituents: 10% Glycerol, 0.1M Tris, 0.1M Glycine, pH 7.0
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab96189 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**Function**
Isomerase that catalyzes the conversion of unstable intermediate of prostaglandin E2 (PGH2) into the more stable prostaglandin E2 (PGE2) form. May also have transactivation activity toward IFN-gamma (IFNG), possibly via an interaction with CEBPB; however, the relevance of transcription activation activity remains unclear.

**Tissue specificity**
Widely expressed. Expressed in the heart, including apex, inter-ventricular septum, both atria and ventricles, but not in the aorta. Also expressed in fetal heart. Detected in various regions of the brain: cerebellum; occipital, frontal and parietal lobes. Also expressed in the lymph nodes, skeletal muscle, kidney and trachea, but not in the thymus or lung. Overexpressed in colorectal cancer.

**Pathway**
Lipid metabolism; prostaglandin biosynthesis.

**Sequence similarities**
Belongs to the GST superfamily.
Contains 1 glutaredoxin domain.
Contains 1 GST C-terminal domain.

**Cellular localization**
Golgi apparatus membrane and Cytoplasm > perinuclear region. Synthetized as a Golgi membrane-bound protein, which is further cleaved into the predominant soluble truncated form. The truncated form is cytoplasmic and is enriched in the perinuclear region.

**Images**
- **All lanes**: Anti-PTGES2 antibody (ab96189) at 1/1000 dilution
- **Lane 1**: 293T whole cell lysate
- **Lane 2**: Molt4 whole cell lysate
Lysates/proteins at 30 µg per lane.

**Predicted band size**: 42 kDa

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