

EPX polyclonal antibody

Catalog: BS60713

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Eosinophil peroxidase (EPX) is an antimycobacterial protein that localizes to cytoplasmic granules of eosinophils and recruits bromide to generate a halogenating oxidant. EPX-dependent generation of hypobromous acid causes damage to tissue during inflammatory conditions that include asthma, allergies, cancer, and parasitic/helminthic infections. Human EPX gene product can form a tetramer of two light chains and two heavy chains. EPX is a major enzyme present in eosinophils and upon degranulation, becomes released into the airways of asthmatics. As a result of its cationic nature and its ability to catalyze the formation of highly toxic oxidants, EPX can induce lung injury in a JNK-dependent manner. Other peroxidase family members include myeloperoxidase (MPO), lactoperoxidase (LPO), and thyroid peroxidase (TPO).

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 81 kDa

Swiss-Prot:

P11678

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

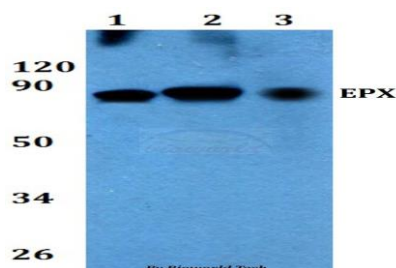
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

EPX polyclonal antibody detects endogenous levels of EPX protein.

DATA:



Western blot (WB) analysis of EPX polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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