
EPX Antibody Blocking Peptide

Catalog Number: bs-3881P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: EPX, eosinophil peroxidase, 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. 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.