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Product datasheet for AP01438PU-M

OXER1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	**Western Blot:** 1/500-1/1000. **Immunofluorescence**: 1/50-1/200. **Immunohistochemistry on paraffin sections:** 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 220-270 of Human TG1019.
Specificity:	This antibody detects endogenous levels of TG1019 protein. (region surrounding Arg251)
Formulation:	Phosphate buffered saline (PBS) with 0.02% Sodium Azide, 50% Glycerol, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 46, 48 kDa
Gene Name:	oxoeicosanoid receptor 1
Database Link:	Entrez Gene 165140 Human Q8TDS5

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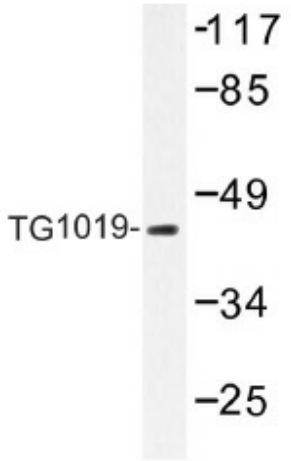
Background: TG1019 is a G protein-coupled receptor that functions as a chemoattractant for eosinophils and neutrophils. TG1019 is expressed in various tissues except the brain, with the highest expression in liver, kidney, peripheral leukocyte, lung and spleen. TG1019 interacts with the protein OXE to form TG1019/OXE, a Gα i/o protein-coupled receptor. Signals from TG1019 are transduced via a Gα i/o protein to PLC/calcium, MEK/ERK and PI3K/Akt pathways. Signal transduction from TG1019 following stimulation with 5-oxo-6E,8Z,11Z,14Z eicosatetraenoic acid (5-oxo-ETE) induces intracellular calcium mobilization and rapid activation of MEK/ERK and PI3K/Akt pathways. TG1019 also may play a role in downregulating cAMP production.

Synonyms: 5-oxo-ETE G-protein coupled receptor, TG1019, OXER1, GPR170, R527

Product images:



Western blot (WB) analysis of TG1019 antibody (Cat.-No.: [AP01438PU-N]) in extracts from MCF-7 cells.