

For Research Use Only

OXER1 Polyclonal antibody

Catalog Number: 55202-1-AP

1 Publications



Basic Information

Catalog Number:

55202-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_148962

GeneID (NCBI):

165140

UNIPROT ID:

Q8TDS5

Full Name:

oxoeicosanoid (OXE) receptor 1

Calculated MW:

46 kDa

Observed MW:

43-46 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : K-562 cells,

IHC : human kidney tissue, human liver tissue

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

OXER1, also named as GPR170 and TG1019, is a receptor for eicosanoids and polyunsaturated fatty acids such as 5-oxo-6E,8Z,11Z,14Z-eicosatetraenoic acid (5-OXO-ETE), 5(S)-hydroperoxy-6E,8Z,11Z,14Z-eicosatetraenoic acid (5(S)-HPETE) and arachidonic acid. It seems to be coupled to the G(i)/G(o), families of heteromeric G proteins. (PMID:12065583) This antibody is specific to OXER1.

Notable Publications

Author	Pubmed ID	Journal	Application
Panagiotis Malamos	39236798	Mol Cell Endocrinol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

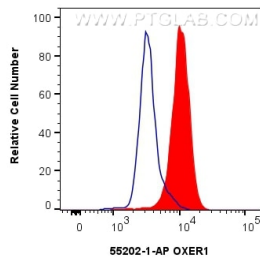
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

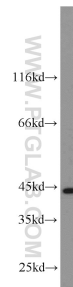
E: proteintech@ptglab.com
W: ptglab.com

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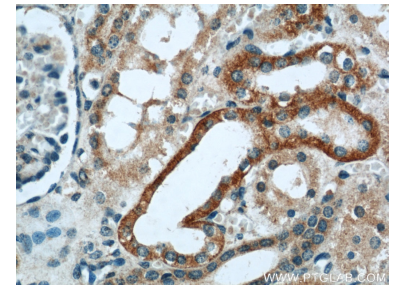
Selected Validation Data



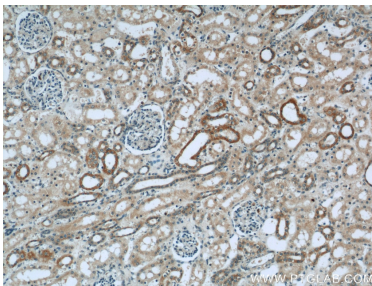
1x10⁶ K-562 cells were intracellularly stained with 0.4 ug OXER1 Polyclonal antibody (55202-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



K-562 cells were subjected to SDS PAGE followed by western blot with 55202-1-AP (OXER1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 55202-1-AP (OXER1 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 55202-1-AP (OXER1 antibody) at dilution of 1:50 (under 10x lens).