

For Research Use Only

OXER1 Polyclonal antibody

Catalog Number: 55202-1-AP



Basic Information

Catalog Number: 55202-1-AP	GenBank Accession Number: NM_148962	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 165140	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: oxoeicosanoid (OXE) receptor 1	
Isotype: IgG	Calculated MW: 46 kDa	
	Observed MW: 43-46 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls: WB : K-562 cells, IHC : human kidney tissue, human liver tissue
Species Specificity: human	

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.

Storage

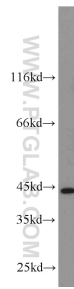
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

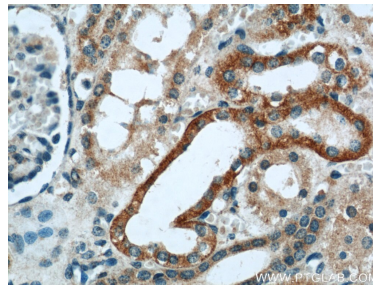
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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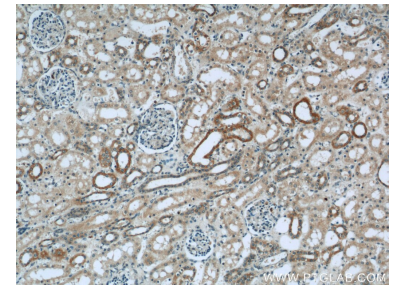
Selected Validation Data



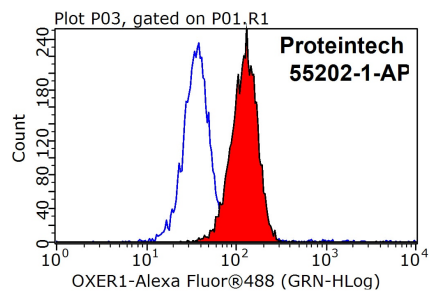
K-562 cells were subjected to SDS PAGE followed by western blot with 55202-1-AP (OXER1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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).



1X10⁶ K-562 cells were stained with 0.2ug OXER1 antibody (55202-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.