

For Research Use Only

ORAI3 Polyclonal antibody

Catalog Number: 25766-1-AP

7 Publications



Basic Information

Catalog Number:

25766-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22513

GenBank Accession Number:

BC006126

GeneID (NCBI):

93129

UNIPROT ID:

Q9BRQ5

Full Name:

ORAI calcium release-activated calcium modulator 3

Calculated MW:

295 aa, 32 kDa

Observed MW:

~30 kDa, 60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

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

Positive Controls:

WB: mouse heart tissue, BxPC-3 cells, LNCaP cells, PC-3 cells

IHC: human endometrial cancer tissue,

Background Information

ORAI3, also named TMEM142C, is a key regulator or component of store-operated Ca²⁺ channels and transcription factor NFAT nuclear import. ORAI3 channels appeared to differ from Orai1 and -2 in being somewhat resistant to Ca²⁺ depotentiation. The molecular weight of monomers and dimers for Orai3 is about 30-35 kDa and 60-70 kDa (PMID: 20971921; 17293345; 22580508).

Notable Publications

Author	Pubmed ID	Journal	Application
Wu Lele	33850559	Exp Ther Med	WB
Yuan Wei	33888544	BMJ Open Diabetes Res Care	IP
Duan Zhuo	39135143	Stem Cell Res Ther	IHC

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

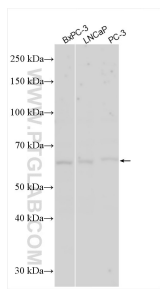
For technical support and original validation data for this product please contact:

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

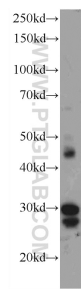
E: proteintech@ptglab.com
W: ptglab.com

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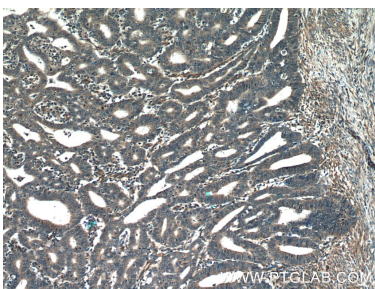
Selected Validation Data



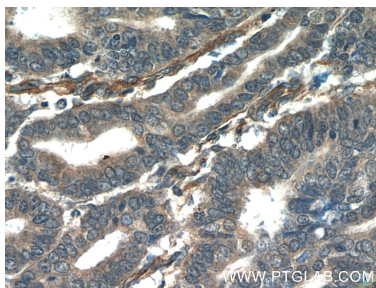
Various lysates were subjected to SDS PAGE followed by western blot with 25766-1-AP (ORAI3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



mouse heart tissue were subjected to SDS PAGE followed by western blot with 25766-1-AP (ORAI3 Antibody) at dilution of 1:300 incubated at 4 degree celsius over night.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 25766-1-AP (ORAI3 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 25766-1-AP (ORAI3 Antibody) at dilution of 1:50 (under 40x lens).