For Research Use Only

FRS2 Monoclonal antibody

Catalog Number:66263-1-Ig

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Basic Information

Catalog Number:
66263-1-Ig

Size:
150ul , Concentration: 3100 ug/ml by Nanodrop and 1493 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG3

Immunogen Catalog Number:
AG19299

GenBank Accession Number:
BC021562

GeneID (NCBI):
10818

UNIPROT ID:
Q8WU20

Full Name:
fibroblast growth factor receptor substrate 2

Calculated MW:
60 kDa

Observed MW:
68 kDa

Purification Method:
Protein A purification

CloneNo.:
4E10H12

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

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

Positive Controls:

WB : MCF-7 cells, HEK-293 cells, HeLa cells

IHC : human prostate cancer tissue,

IF/ICC : MCF-7 cells,

Background Information

Fibroblast growth factor (FGF) receptor substrate 2 (FRS2) has an alternative name as SNT-1, it is an adapter protein that links activated FGR and NGF receptors to downstream signaling pathways. FGF receptor substrates (FRS2 and FRS3) are key adaptor proteins that mediate FGF-FGFR signalling in benign as well as malignant tissue. FRS2 is a 508 amino-acid protein,which is phosphorylated on tyrosine residues. The molecular weight of non-phosphorylated FRS2 is 57-68 kDa, but phosphorylated FRS2 is 80-90 kDa. Phosphorylation of FRS2 is associated with activation of a number of MAP kinases. Allele-specific regulation of FGFR2 mRNA expression with a mildly increased breast cancer risk has been reported.

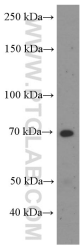
Storage

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

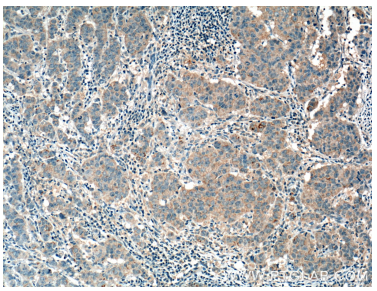
***** 20ul sizes contain 0.1% BSA**

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

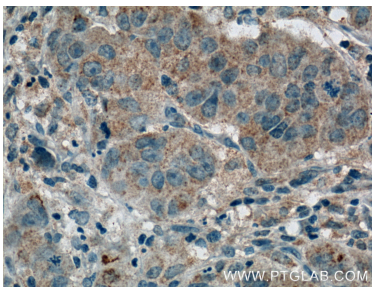
Selected Validation Data



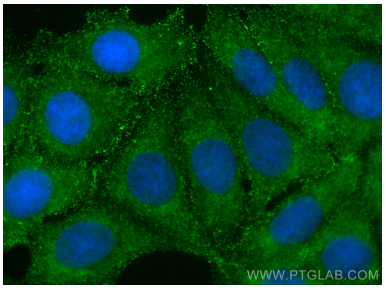
MCF-7 cells were subjected to SDS PAGE followed by western blot with 66263-1-Ig (FRS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66263-1-Ig (FRS2 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66263-1-Ig (FRS2 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using FRS2 antibody (66263-1-Ig, Clone: 4E10H12) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).