For Research Use Only

TGF beta 2-Specific Polyclonal antibody

Catalog Number:19999-1-AP Featured Product 82 Publications

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Basic Information

Catalog Number:
19999-1-AP

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_003238

GeneID (NCBI):
7042

UNIPROT ID:
P61812

Full Name:
transforming growth factor, beta 2

Calculated MW:
48 kDa

Observed MW:
48 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:200-1:800
IF/ICC: 1:50-1:500

Applications

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

Cited Applications:
WB, IHC, IF, CoIP, ChIP

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat, bovine, sheep

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 : HeLa cells, K-562 cells, mouse lung tissue, MCF-7 cells, MDA-MB-231 cells

IHC : human breast cancer tissue, human lung cancer tissue

IF/ICC : HeLa cells,

Background Information

Tranforming growth factor beta-2 (TGFB2), also named G-TSF, BSC-1 cell growth inhibitor, Polyergin and Cetermin, belongs to the TGF-beta family. TGFB2 is a secreted protein and contains a 19aa signal peptides at its N-terminal. Heterodimers with TGFB1 and with TGFB2 have been found in bone. It was proved to have suppressive effects on interleukin-2 dependent T-cell growth. This antibody is TGFB2 specific not detecting other TGFBs.

Notable Publications

Author	Pubmed ID	Journal	Application
Zichang Zhao	30271117	Drug Des Devel Ther	WB,IHC
Zheng Zha	36092158	Oxid Med Cell Longev	WB
Wenjing Yong	34470077	J Appl Microbiol	IHC

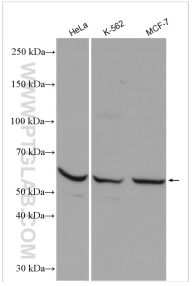
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

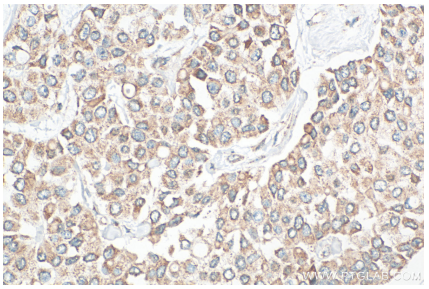
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

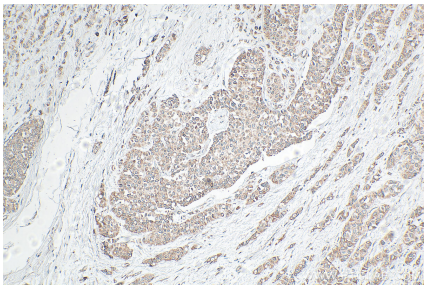
Selected Validation Data



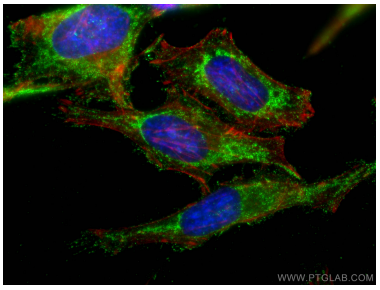
Various lysates were subjected to SDS PAGE followed by western blot with 19999-1-AP (TGF beta 2-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19999-1-AP (TGF beta 2-Specific antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 19999-1-AP (TGF beta 2-Specific antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 19999-1-AP (TGF-beta 2-Specific antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).