Datasheet for ABIN7449529

Recombinant anti-TGFB1 antibody (AA 325-375)

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Overview

Quantity:	100 µL
Target:	TGFB1
Binding Specificity:	AA 325-375
Reactivity:	Human, Mouse
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Rabbit anti-TGF-beta 1 Recombinant Monoclonal Antibody [BLR195J]
Immunogen:	between AA 325 and 375
Clone:	BLR195J
Isotype:	IgG

Target Details

Target:	TGFB1
Alternative Name:	TGF-beta 1 (TGFB1 Products)

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Target Details

Background:	Background: The Transforming growth factor beta-1 preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature TGF-beta 1 peptide. TGF-beta 1 bound to LAP is inactive, while the active form consists solely of the mature peptide homodimer. The mature TGF-beta 1 peptide may also form heterodimers with other TGFB family members. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. TGF-beta 1 regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. This gene is frequently upregulated in tumor cells. [taken from NCBI Entrez Gene (Gene ID: 7040)].
Gene ID:	7040
NCBI Accession:	NP_000651
UniProt:	P01137
Pathways:	EGFR Signaling Pathway, Dopaminergic Neurogenesis, Cellular Response to Molecule of Bacterial Origin, Glycosaminoglycan Metabolic Process, Regulation of Leukocyte Mediated Immunity, Regulation of Muscle Cell Differentiation, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization, Production of Molecular Mediator of Immune Response, Ribonucleoside Biosynthetic Process, Skeletal Muscle Fiber Development, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus, Autophagy, Cancer Immune Checkpoints

Application Details

Application Notes:	IHC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. ICC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE cell sections. WB: 01:01,00
Restrictions:	For Research Use only

Handling

Concentration:	1000 µg/mL
Buffer:	Borate Buffered Saline (BBS) pH 8.2 with 0.09 % Sodium Azide, BSA-Free

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Expiry Date:	12 months

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