ARG44071
anti-TSC22D1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes TSC22D1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TSC22D1
Species	Human
Immunogen	Human TSC22D1 recombinant protein (Position: N179-Q926).
Conjugation	Un-conjugated
Alternate Names	TSC22D1; TSC22 Domain Family Member 1; TSC22; TGFB1I4; Transforming Growth Factor Beta-1-Induced Transcript 4 Protein; TGFB-Stimulated Clone 22 Homolog; TSC22 Domain Family Protein 1; Regulatory Protein TSC-22; Cerebral Protein 2; MGC17597; Transforming Growth Factor Beta-Stimulated Protein TSC-22; Transforming Growth Factor Beta 1 Induced Transcript 4; Transcriptional Regulator TSC-22; TSC22 Domain Family, Member 1; TGFbeta-Stimulated Clone 22; KIAA1994; Ptg-2

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/1x10^6 cells
WB	0.1 - 0.25 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

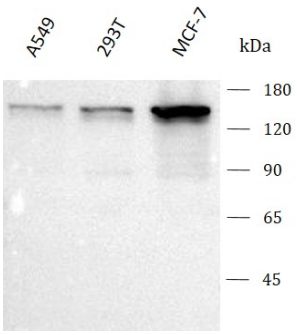
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

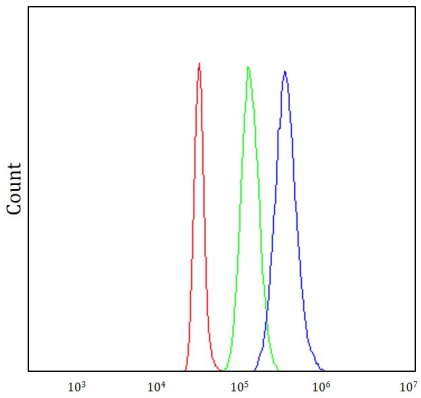
Gene Symbol	TSC22D1
Gene Full Name	TSC22 Domain Family Member 1
Background	This gene encodes a member of the TSC22 domain family of leucine zipper transcription factors. The encoded protein is stimulated by transforming growth factor beta, and regulates the transcription of multiple genes including C-type natriuretic peptide. The encoded protein may play a critical role in tumor suppression through the induction of cancer cell apoptosis, and a single nucleotide polymorphism in the promoter of this gene has been associated with diabetic nephropathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Function	Contributes to enhancement of TGF-beta signaling by binding to and modulating the transcription activator activity of SMAD4.
Calculated Mw	110 kDa
PTM	Phosphoprotein
Cellular Localization	Cell membrane, Cytoplasm, Membrane, Mitochondrion, Nucleus

Images



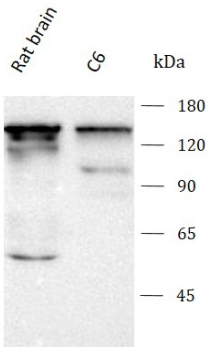
ARG44071 anti-TSC22D1 antibody WB image

Western blot: A549, 293T and MCF-7 stained with ARG44071 anti-TSC22D1 antibody at 0.5 µg/mL dilution.



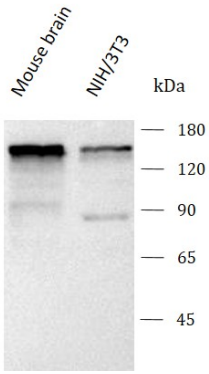
ARG44071 anti-TSC22D1 antibody FACS image

Flow Cytometry: SH-SY5Y stained with ARG44071 anti-TSC22D1 antibody at 1 µg/1x10^6 cells dilution.



ARG44071 anti-TSC22D1 antibody WB image

Western blot: Rat brain and C6 stained with ARG44071 anti-TSC22D1 antibody at 0.5 µg/mL dilution.



ARG44071 anti-TSC22D1 antibody WB image

Western blot: Mouse brain and NIH/3T3 stained with ARG44071 anti-TSC22D1 antibody at 0.5 µg/mL dilution.