ARG45553
anti-PRUNE antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PRUNE
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PRUNE
Species	Human
Immunogen	Recombinant protein containing to human PRUNE.
Conjugation	Un-conjugated
Alternate Names	PRUNE1; Prune Exopolyphosphatase 1; DRES-17; H-PRUNE; HTCD37; PRUNE; Drosophila-Related Expressed Sequence 17; Exopolyphosphatase PRUNE1; Protein Prune Homolog 1; DRES17; Prune Homolog (Drosophila); EC 3.6.1.1; NMIHBA; HTcD37; Hprune

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
ICC/IF	5 µg/ml
WB	0.25-0.5 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Observed Size	60 kDa

Properties

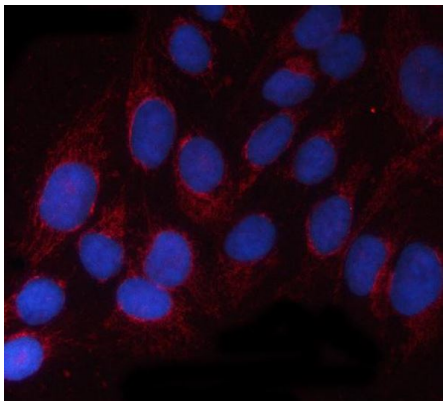
Form	Liquid
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in 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

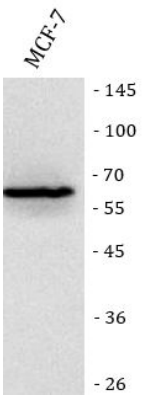
Gene Symbol	PRUNE1
Gene Full Name	Prune Exopolyphosphatase 1
Background	This gene encodes a member of the DHH protein superfamily of phosphoesterases. This protein has been found to function as both a nucleotide phosphodiesterase and an exopolyphosphatase. This protein is believed to stimulate cancer progression and metastases through the induction of cell motility. A pseuodgene has been identified on chromosome 13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]
Function	Phosphodiesterase (PDE) that has higher activity toward cAMP than cGMP, as substrate. Plays a role in cell proliferation, migration and differentiation, and acts as a negative regulator of NME1. Plays a role in the regulation of neurogenesis. [UniProt]
Calculated Mw	50 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Cell junction; Cytoplasm; Nucleus. [UniProt]

Images



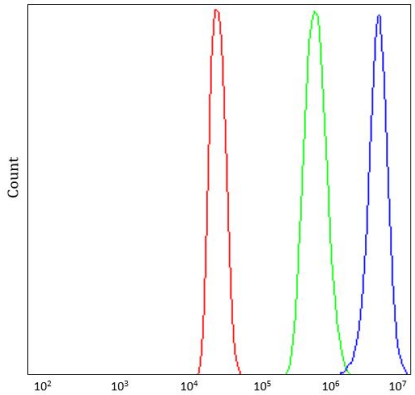
ARG45553 anti-PRUNE antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45553 anti-PRUNE antibody at 5 µg/ml dilution.



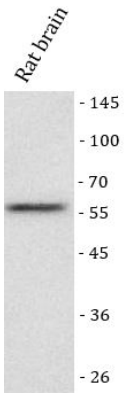
ARG45553 anti-PRUNE antibody WB image

Western blot: MCF-7 stained with ARG45553 anti-PRUNE antibody at 0.5 µg/ml dilution.



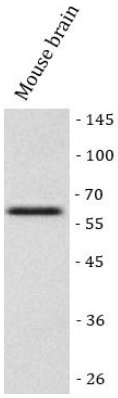
ARG45553 anti-PRUNE antibody FACS image

Flow Cytometry: 293T stained with ARG45553 anti-PRUNE antibody at 1 µg/10^6 cells dilution.



ARG45553 anti-PRUNE antibody WB image

Western blot: Rat brain stained with ARG45553 anti-PRUNE antibody at 0.5 µg/ml dilution.



ARG45553 anti-PRUNE antibody WB image

Western blot: Mouse brain stained with ARG45553 anti-PRUNE antibody at 0.5 µg/ml dilution.