ARG45776
anti-PRMT8 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PRMT8
Tested Reactivity	Hu, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PRMT8
Species	Human
Immunogen	Recombinant protein containing to human PRMT8.
Conjugation	Un-conjugated
Alternate Names	PRMT8; Protein Arginine Methyltransferase 8; HRMT1L3; HRMT1L4; Heterogeneous Nuclear Ribonucleoprotein Methyltransferase-Like Protein 4; Protein Arginine N-Methyltransferase 8; HMT1 HnRNP Methyltransferase-Like 3 (S. Cerevisiae); HMT1 HnRNP Methyltransferase-Like 4 (S. Cerevisiae); Protein Arginine N-Methyltransferase 4; HMT1 HnRNP Methyltransferase-Like 3; Arginine Methyltransferase 8; EC 2.1.1.319; EC 2.1.1.77 47; EC 2.1.1 47

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	0.5-1 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: 45 kDa

Properties

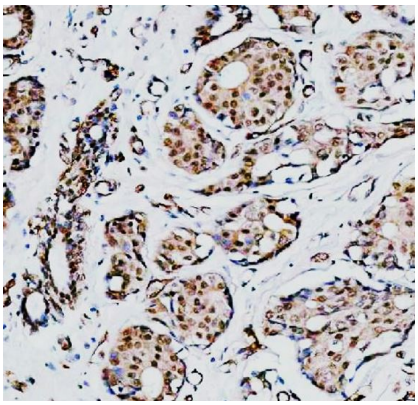
Form	Liquid
Purification	Affinity purified
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.01% Sodium azide and 4% Trehalose.
Preservative	0.01% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

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	PRMT8
Gene Full Name	Protein Arginine Methyltransferase 8
Background	Arginine methylation is a widespread posttranslational modification mediated by arginine methyltransferases, such as PRMT8. Arginine methylation is involved in a number of cellular processes, including DNA repair, RNA transcription, signal transduction, protein compartmentalization, and possibly protein translation (Lee et al., 2005 [PubMed 16051612]).[supplied by OMIM, Mar 2008]
Function	S-adenosyl-L-methionine-dependent and membrane-associated arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and asymmetrical dimethylarginine (aDMA) in proteins such as NIFK, myelin basic protein, histone H4, H2A and H2A/H2B dimer. [UniProt]
Calculated Mw	45 kDa
PTM	Lipoprotein; Methylation; Myristate. [UniProt]
Cellular Localization	Cell membrane; Membrane. [UniProt]

Images

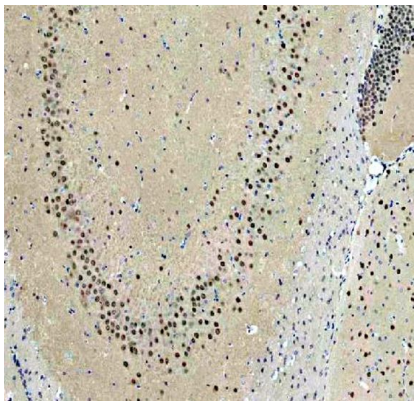


ARG45776 anti-PRMT8 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45776 anti-PRMT8 antibody at 2 µg/ml dilution.

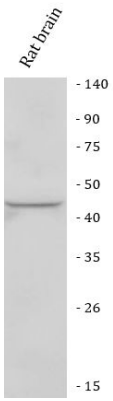
ARG45776 anti-PRMT8 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45776 anti-PRMT8 antibody at 2 µg/ml dilution.



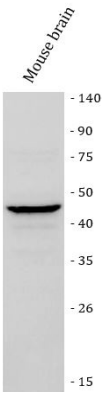
ARG45776 anti-PRMT8 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45776 anti-PRMT8 antibody at 2 µg/ml dilution.



ARG45776 anti-PRMT8 antibody WB image

Western blot: Rat brain stained with ARG45776 anti-PRMT8 antibody at 0.5 µg/ml dilution.



ARG45776 anti-PRMT8 antibody WB image

Western blot: Mouse brain stained with ARG45776 anti-PRMT8 antibody at 0.5 µg/ml dilution.