

ARG57762 anti-TPMT antibody [2E7]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2E7] recognizes TPMT
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	2E7
Isotype	IgG1, kappa
Target Name	TPMT
Species	Human
Immunogen	Recombinant protein around aa. 1-245 of Human TPMT.
Conjugation	Un-conjugated
Alternate Names	Thiopurine methyltransferase; Thiopurine S-methyltransferase; EC 2.1.1.67

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

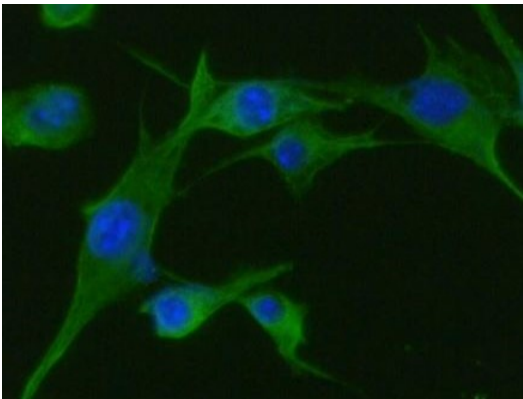
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 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. 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

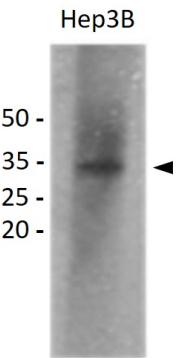
Gene Symbol	TPMT
Gene Full Name	thiopurine S-methyltransferase
Background	This gene encodes the enzyme that metabolizes thiopurine drugs via S-adenosyl-L-methionine as the S-methyl donor and S-adenosyl-L-homocysteine as a byproduct. Thiopurine drugs such as 6-mercaptopurine are used as chemotherapeutic agents. Genetic polymorphisms that affect this enzymatic activity are correlated with variations in sensitivity and toxicity to such drugs within individuals, causing thiopurine S-methyltransferase deficiency. Related pseudogenes have been identified on chromosomes 3, 18 and X. [provided by RefSeq, Aug 2014]
Function	Catalyzes the S-methylation of thiopurine drugs such as 6-mercaptopurine. [UniProt]
Calculated Mw	28 kDa

Images



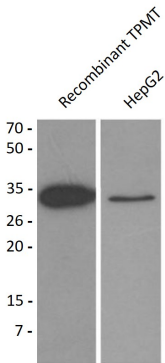
ARG57762 anti-TPMT antibody [2E7] ICC/IF image

Immunofluorescence: U87MG cells stained with ARG57762 anti-TPMT antibody [2E7] (green) at 1:100 dilution and DAPI (blue).



ARG57762 anti-TPMT antibody [2E7] WB image

Western blot: 40 µg of Hep3B cell lysate stained with ARG57762 anti-TPMT antibody [2E7] at 1:1000 dilution.



ARG57762 anti-TPMT antibody [2E7] WB image

Western blot: 50 ng of TPMT recombinant protein and 40 µg of HepG2 cell lysates stained with ARG57762 anti-TPMT antibody [2E7] at 1:1000 dilution.