

## 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.	

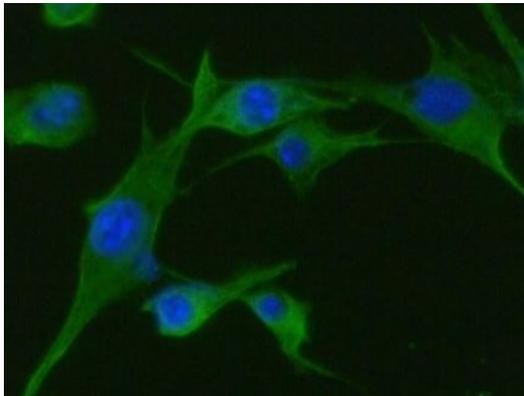
### Properties

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

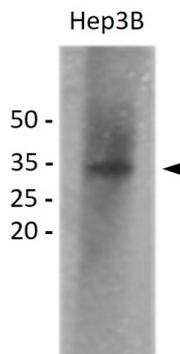
Gene Symbol	TPMT
Gene Full Name	thiopurine S-methyltransferase
Background	This gene encodes the enzyme that metabolizes thiopurine drugs via S-adenosyl-L-methionine as the S-methyl donor and S-adenosyl-L-homocysteine as a byproduct. Thiopurine drugs such as 6-mercaptopurine are used as chemotherapeutic 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



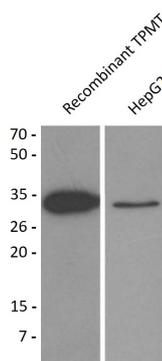
ARG57762 anti-TPMT antibody [2E7] ICC/IF image

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  $\mu$ g 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  $\mu$ g of HepG2 cell lysates stained with ARG57762 anti-TPMT antibody [2E7] at 1:1000 dilution.