

## ARG57754 anti-TPMT antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes TPMT
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	TPMT
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-245 of Human TPMT (NP_000358.1).
Conjugation	Un-conjugated
Alternate Names	Thiopurine methyltransferase; Thiopurine S-methyltransferase; EC 2.1.1.67

### Application Instructions

Predict Reactivity Note	Mouse	
Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562	

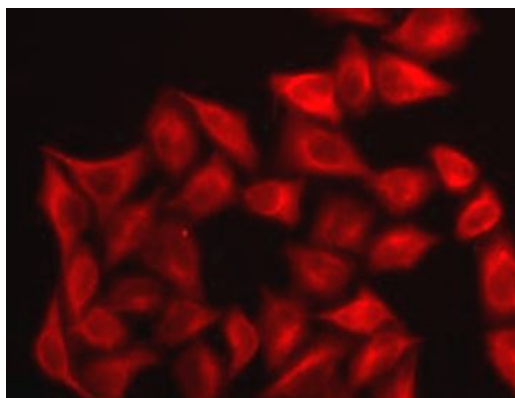
### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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

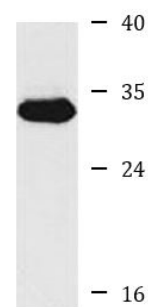
Gene Symbol	TPMT
Gene Full Name	thiopurine S-methyltransferase
Background	This gene encodes the enzyme that metabolizes thiopurine drugs via S-adenosyl-L-methionine as the S-methyl donor and S-adenosyl-L-homocysteine as a byproduct. Thiopurine drugs such as 6-mercaptopurine are used as chemotherapeutic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

## Images



ARG57754 anti-TPMT antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG57754 anti-TPMT antibody.



K562

ARG57754 anti-TPMT antibody WB image

Western blot: 25 µg of K562 cell lysate stained with ARG57754 anti-TPMT antibody at 1:1000 dilution.