ARG57754
anti-TPMT antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes TPMT
Tested Reactivity	Hu
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

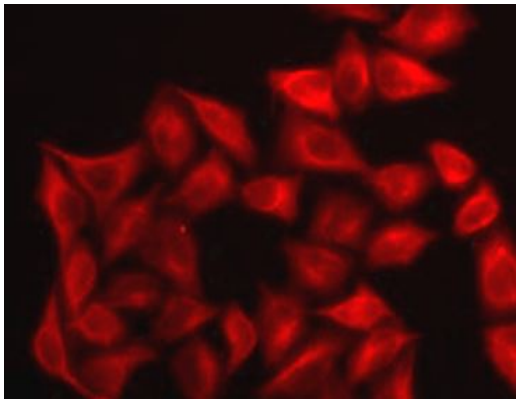
Properties

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.

ARG57754 anti-TPMT antibody WB image

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