

Datasheet for ABIN3021279
anti-TPMT antibody (AA 1-245)

3 Images

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Overview

Quantity:	100 µL
Target:	TPMT
Binding Specificity:	AA 1-245
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPMT antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-245 of human TPMT (NP_000358.1).
Sequence:	MDGTRTSLDI EEYSDTEVQK NQVLTLEEWQ DKWVNGKTAF HQEQGHQLLK KHLDTFLK GK SGLRVFFPLC GKAVEMKWFA DRGHSVVGVE ISELGIQEFF TEQNLSYSEE PITEIPGTKV FKSSSGNISL YCCSIFDLPR TNIGKFDMIW DRGALVAINP GDRKCYADTM FSLLGKKFQY LLCVLSYDPT KHPGPPFYVP HAEIERLFGK ICNIRCLEKV DAFEERHKSW GIDCLFEKLY LLTEK
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

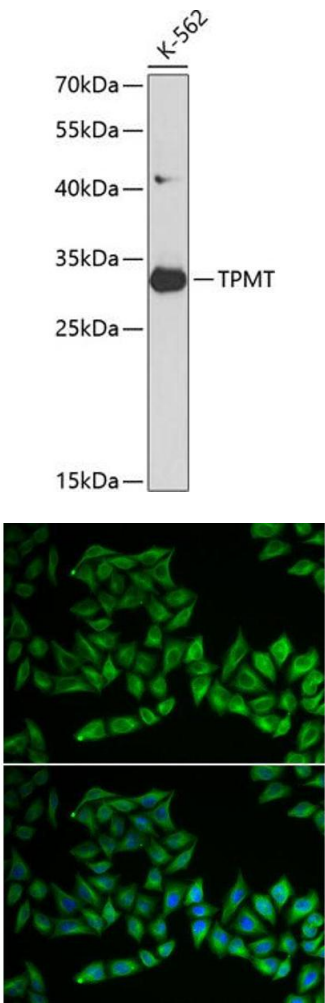
Target:	TPMT
Alternative Name:	TPMT (TPMT Products)
Background:	<p>This gene encodes the enzyme that metabolizes thiopurine drugs via S-adenosyl-L-methionine as the S-methyl donor and S-adenosyl-L-homocysteine as a byproduct. Thiopurine drugs such as 6-mercaptopurine are used as chemotherapeutic agents. 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.,TPMT,TPMTD,Signal Transduction,Endocrine & Metabolism,Drug metabolism,TPMT</p>
Molecular Weight:	28 kDa
Gene ID:	7172
UniProt:	P51580

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:10 - 1:100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

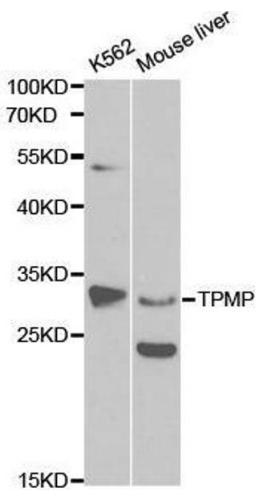


Western Blotting

Image 1. Western blot analysis of extracts of K562 cells, using TPMT antibody (ABIN3021278, ABIN3021279, ABIN3021280 and ABIN6214327) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST.

Immunofluorescence

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using TPMT antibody.