

Datasheet for ABIN563239
anti-TPMT antibody (AA 1-245)



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Overview

Quantity:	100 µg
Target:	TPMT
Binding Specificity:	AA 1-245
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TPMT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Mouse monoclonal antibody raised against a full length recombinant TPMT.
Immunogen:	TPMT (AAH05339, 1 a.a. ~ 245 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MDGTRTSLDI EEYSDTEVQK NQVLTLEEWQ DKWVNGKTAF HQEQGHQLLK KHLDTFLKGG SGLRVFFPLC GKAVEMKWFA DRGHSVVGVE ISELGIQEFF TEQNLSYSEE PITEIPGTKV FKSSSGNISL YCCSIFDLPR TNIGKFDMIW DRGALVAINP GDRKCYADTM FSLLGKKFQY LLCVLSYDPT KHPGPPFYVP HAEIERLFGK ICNIRRLKLV DAFEERHKSW GIDCLFEKLY LLTEK
Clone:	1B5
Isotype:	IgG1
Cross-Reactivity:	Human

Product Details

Characteristics: Antibody Reactive Against Recombinant Protein.

Target Details

Target: TPMT

Alternative Name: TPMT ([TPMT Products](#))

Background: Full Gene Name: thiopurine S-methyltransferase
Synonyms:

Gene ID: 7172

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: In 1x PBS, pH 7.4

Handling Advice: Aliquot to avoid repeated freezing and thawing.

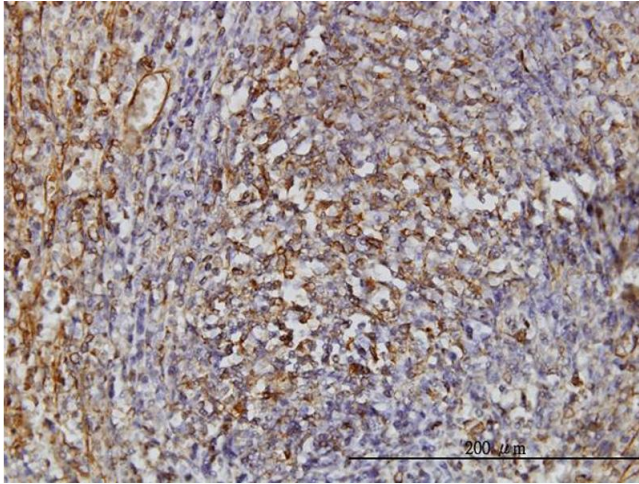
Storage: -20 °C

Storage Comment: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Publications

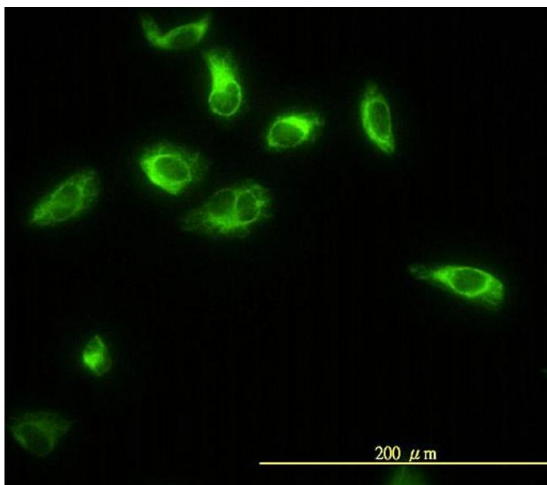
Product cited in: Milek, Karas Kuzelicki, Smid, Mlinaric-Rascan: "S-adenosylmethionine regulates thiopurine methyltransferase activity and decreases 6-mercaptopurine cytotoxicity in MOLT lymphoblasts." in: **Biochemical pharmacology**, Vol. 77, Issue 12, pp. 1845-53, (2009) ([PubMed](#)).

Egle, Milek, Mlinaric-Rascan, Fahr, Kristl: "A novel gene delivery system for stable transfection of thiopurine-S-methyltransferase gene in versatile cell types." in: **European journal of pharmaceutics and biopharmaceutics : official journal of Arbeitsgemeinschaft für Pharmazeutische Verfahrenstechnik e.V.**, Vol. 69, Issue 1, pp. 23-30, (2008) ([PubMed](#)).



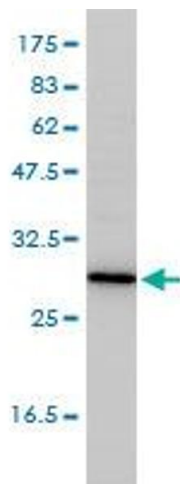
Immunostaining

Image 1. Immunoperoxidase of monoclonal antibody to TPMT on formalin-fixed paraffin-embedded human spleen. [antibody concentration 1 ug/ml]



Immunofluorescence

Image 2. Immunofluorescence of monoclonal antibody to TPMT on HeLa cell. [antibody concentration 10 ug/ml]



Western Blotting

Image 3. TPMT monoclonal antibody (M01), clone 1B5 Western Blot analysis of TPMT expression in Jurkat .

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN563239.