

Allgemeine Informationen

Katalog-Nr.:

10682-1-AP

Größe:

150ul, Konzentration: 550 µg/ml von Nanodrop und 333 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG1074

GenBank-Zugangsnummer:

BC005339

GeneID (NCBI):

7172

Vollständiger Name:

thiopurine S-methyltransferase

Berechnete Masse:

28 kDa

Beobachtete Masse:

28-32 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:5000

IF 1:20-1:200

Anwendungen

Geprüfte Anwendungen:

IF, WB, ELISA

In Publikationen genannte Anwendungen:

IHC

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human

Positivkontrollen:

WB : HeLa-Zellen, Mausnierengewebe

IF : HEK-293-Zellen,

Hintergrundinformationen

The TPMT gene is localized to chromosome 6p22.3 and is approximately 34 kDa in length. It has an open reading frame (ORF) of 735 bp that encodes for a 245-amino acid peptide. The wild type TPMT allele, expressing the enzyme with normal activity. To date, there have been 30 variant TPMT alleles described (PMID: 22493988). Thiopurine compounds are commonly used in the treatment of childhood acute lymphoblastic leukemia, and as immunosuppressants following organ transplantation or for treatment of various autoimmune disorders. Thiopurine S-methyltransferase (TPMT) is required for detoxification, through S-methylation, of 6-thioguanine nucleotides (TGNs), a byproduct of thiopurine metabolism. Catalog# 10682-1-AP is a rabbit polyclonal antibody raised against the full-length of human TPMT. TPMT has a predicted molecular weight of 28 kDa, however, as a result of its phosphorylation it separates on a SDS gel as a band of approximately 28-32 kDa.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Lingyun Zhang	34322485	Front Cell Dev Biol	IHC

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

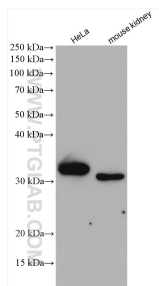
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

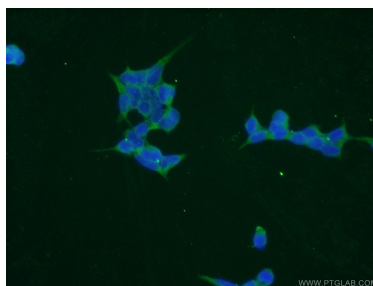
 E: proteintech@ptglab.com
 W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 10682-1-AP (TPMT antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HEK-293 cells using 10682-1-AP (TPMT antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).