

TPMT Antibody

Catalog No: #32120

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

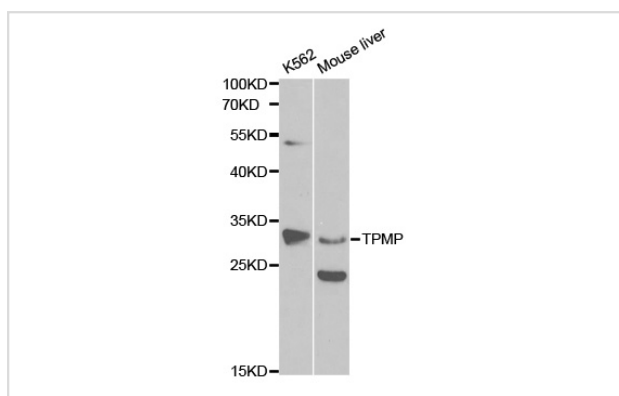
Product Name	TPMT Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total TPMT protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human TPMT.
Target Name	TPMT
Other Names	TPMT; Thiopurinemethyltransferase; thiopurineSmethyltransferase;
Accession No.	Swiss-Prot:P51580NCBI Gene ID:7172
SDS-PAGE MW	28KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

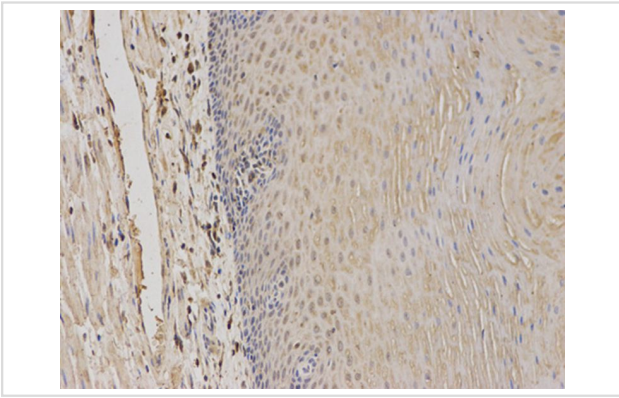
Western blotting: 1:500 - 1:2000

Immunohistochemistry: 1:50 - 1:100

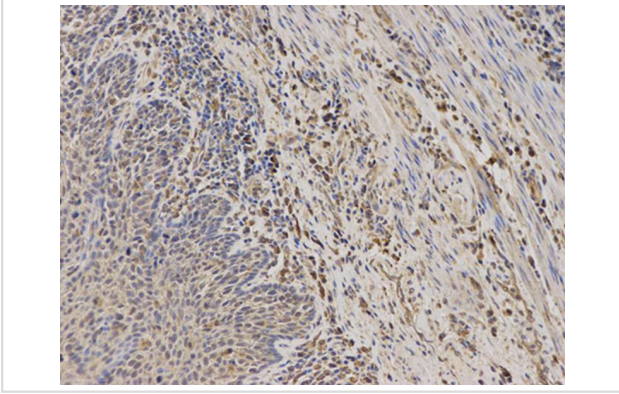
Images



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



Immunohistochemical analysis of paraffin-embedded human esophagus using TPMT antibody at dilution of 1:100 (200x lens).



Immunohistochemical analysis of paraffin-embedded human esophageal cancer using TPMT antibody at dilution of 1:100 (200x lens).

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. A pseudogene for this locus is located on chromosome 18q.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.