

Thiopurine S-methyltransferase Polyclonal Antibody

Catalog No: #42134

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

Description

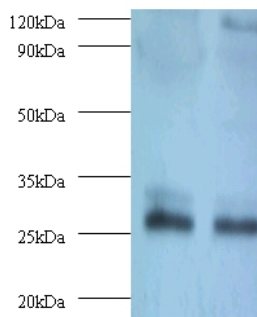
Product Name	Thiopurine S-methyltransferase Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Thiopurine S-methyltransferase polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Thiopurine S-methyltransferase protein
Target Name	Thiopurine S-methyltransferase
Other Names	Thiopurine methyltransferase
Accession No.	Swiss-Prot#: P51580
Uniprot	P51580
GeneID	7172;
Calculated MW	27kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

Western blotting: □ 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

Images



All lanes : Thiopurine S-methyltransferase antibody at 2ug/ml

Lane 1 : EC109 whole cell lysate

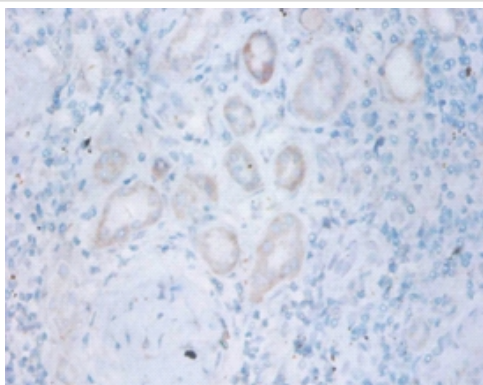
Lane 2 : 293T whole cell lysate

Secondary

Goat polyclonal to Rabbit IgG at 1/15000 dilution

Predicted band size : 27kDa

Observed band size: 27kDa



Immunohistochemical analysis of paraffin-embedded human kidney using #42134 at dilution of 1:100.

Background

TPMT is an 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.

References

[1] "Human thiopurine methyltransferase: molecular cloning and expression of T84 colon carcinoma cell cDNA." Honchel R., Aksoy I.A., Szumlanski C., Wood T.C., Otterness D.M., Wieben E.D., Weinshilboum R.M. Mol. Pharmacol. 43:878-887(1993) [2]

Note: This product is for in vitro research use only