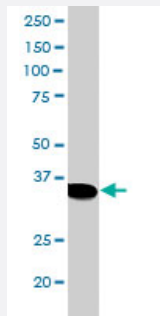


SMUG1 polyclonal antibody

Catalog # PAB6601

Size 100 ug

Applications



Western Blot (Cell lysate)

SMUG1 polyclonal antibody (Cat # PAB6601) staining (0.5 ug/mL) of MOLT 4 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of SMUG1.

Immunogen A synthetic peptide corresponding to human SMUG1.

Sequence PQAFLLSIHEPA-C

Host Goat

Theoretical MW (kDa) 29.9

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:32000)
 Western Blot (0.5-2 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

SMUG1 polyclonal antibody (Cat # PAB6601) staining (0.5 ug/mL) of MOLT 4 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — SMUG1

Entrez GeneID	23583
Protein Accession#	NP_055126
Gene Name	SMUG1
Gene Alias	FDG, HMUDG, MGC104370, UNG3
Gene Description	single-strand-selective monofunctional uracil-DNA glycosylase 1
Omim ID	607753
Gene Ontology	Hyperlink
Gene Summary	SMUG1 is a glycosylase that removes uracil from single- and double-stranded DNA in nuclear chromatin, thus contributing to base excision repair.[supplied by OMIM]
Other Designations	single-strand selective monofunctional uracil DNA glycosylase

Publication Reference

- [Definitive identification of mammalian 5-hydroxymethyluracil DNA N-glycosylase activity as SMUG1.](#)

Boorstein RJ, Cummings A Jr, Marenstein DR, Chan MK, Ma Y, Neubert TA, Brown SM, Teebor GW.

The Journal of Biological Chemistry 2001 Nov; 276(45):41991.

Pathway

- [Base excision repair](#)

Disease

- [Breast cancer](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Werner syndrome](#)