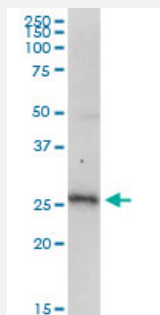


SMUG1 monoclonal antibody (M07), clone 4D5

Catalog # H00023583-M07

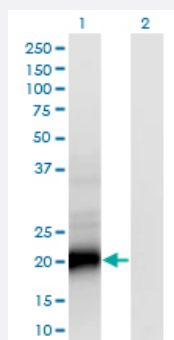
Size 100 ug

Applications



Western Blot (Tissue lysate)

SMUG1 monoclonal antibody (M07), clone 4D5. Western Blot analysis of SMUG1 expression in human colon.

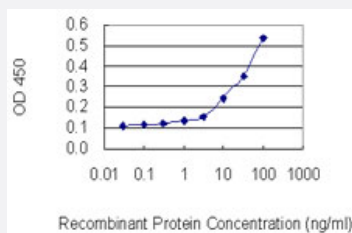


Western Blot (Transfected lysate)

Western Blot analysis of SMUG1 expression in transfected 293T cell line by SMUG1 monoclonal antibody (M07), clone 4D5.

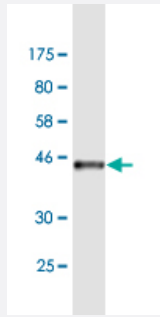
Lane 1: SMUG1 transfected lysate (Predicted MW: 19.6 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMUG1 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (46 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant SMUG1.
Immunogen	SMUG1 (AAH00417.1, 1 a.a. ~ 177 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPQAFLLGSIHEPAGALMEPQPCPGSLAESFLEEELRLNAELSQLQFSEPVGIYNPVEYAWEPH RNYVTRYCQGPKVFLFGMNPFGPGMAQTGVPFGEVSMVRDWLGMGPVLTTPQEHKRPVLG LECPQSEGPRQSMGHEIKSELLMGGCSWIRGKIQCDRVQVRRPGFSSQL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (85)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (46 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

SMUG1 monoclonal antibody (M07), clone 4D5. Western Blot analysis of SMUG1 expression in human colon.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of SMUG1 expression in transfected 293T cell line by SMUG1 monoclonal antibody (M07), clone 4D5.

Lane 1: SMUG1 transfected lysate (Predicted MW: 19.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMUG1 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SMUG1

Entrez GeneID [23583](#)

GeneBank Accession# [BC000417.2](#)

Protein Accession# [AAH00417.1](#)

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

Pathway

- [Base excision repair](#)

Disease

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