

Datasheet for ABIN2786005

anti-SMUG1 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	SMUG1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Pig, Horse, Cow, Dog, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMUG1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SMUG1
Sequence:	IVGPVLTTPPQ EHPKRPVLGL ECPQSEVSGA RFWGFFRNLC GQPEVFFHHC
Predicted Reactivity:	Cow: 93%, Dog: 91%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against SMUG1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SMUG1
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Target Details

Alternative Name:	SMUG1 (SMUG1 Products)
Background:	<p>SMUG1 is a glycosylase that removes uracil from single- and double-stranded DNA in nuclear chromatin, thus contributing to base excision repair. 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]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: FDG, HMUDG, MGC104370, UNG3</p> <p>Protein Interaction Partner: VAC14, UNG, vpr, UBC, RBPMS, TRIP13,</p> <p>Protein Size: 270</p>
Molecular Weight:	30 kDa
Gene ID:	23583
NCBI Accession:	NM_014311 , NP_055126
UniProt:	Q53HV7
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 270 AA
Restrictions:	For Research Use only

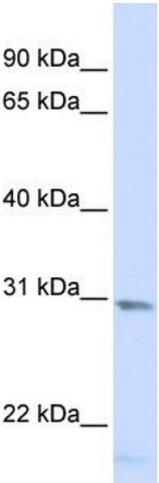
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SMUG1 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Hela cell lysate