

## Goat anti-SMUG1 Antibody

Item Number	dAP-0414
Target Molecule	Principle Name: SMUG1; Official Symbol: SMUG1; All Names and Symbols: SMUG1; single-strand selective monofunctional uracil DNA glycosylase; FDG; HMUDG; UNG3; single-strand-selective monofunctional uracil-DNA glycosylase 1; MGC104370; Accession Number (s): NP_055126.1; Human Gene ID(s): 23583; Non-Human GeneID(s):
Immunogen	PQAFLLGSIHEPA, is from N Terminus
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 35kDa band observed in Molt-4 lysates (predicted MW of 31kDa according to NP_055126.1. Recommended concentration: 0.5-2µg/ml.
IHC	Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.
Reference	Reference(s): Boorstein RJ, Cummings A Jr, Marenstein DR, Chan MK, Ma Y, Neubert TA, Brown SM, Teebor GW. Definitive identification of mammalian 5-hydroxymethyluracil DNA N-glycosylase activity as SMUG1. J Biol Chem. 2001 Nov 9;276(45):41991-7.. PMID: 11526119 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**