

Rabbit anti-Human SMPD1 Polyclonal Antibody | anti-SMPD1 antibody

RABBIT ANTI SMPD1

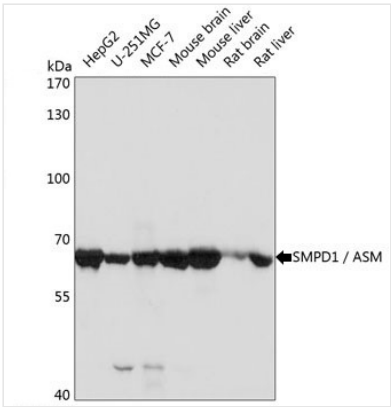
CATALOG # AAA50412	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

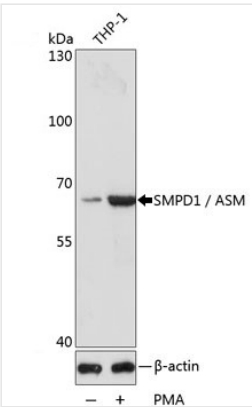
SMPD1; Polyclonal Antibody; RABBIT ANTI SMPD1; SMPD1 antibody; anti-SMPD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	SMPD1
Form/Format	Purified IgG, liquid. Phosphate buffered saline Antiserum to SMPD1 was raised by repeated immunization of rabbits with highly purified antigen
Applicable Applications for anti-SMPD1 antibody	WB (Western Blot)
Target Species	Human
Species Cross Reactivity	Reacts with: Rat, Mouse N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
Immunogen	Recombinant protein of human SMPD1 / ASM
Preservative Stabilizers	0.02% Sodium Azide 50% Glycerol
Preparation and Storage	`Store at -20 degree C Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.



WB (Western Blot)
Western blot analysis was performed by loading 25ug of various whole cell lysates probed with Rabbit anti SMPD1/ASM at 1/1000 dilution. Arrow points to SMPD1/ASM (molecular weight 60 kDa).



WB (Western Blot)
Western blot analysis was performed by loading 25ug of THP-1 PMA treated cells probed with Rabbit anti SMPD1/ASM at 1/1000 dilution. Arrow points to SMPD1/ASM (molecular weight 60 kDa).

ADDITIONAL INFORMATION

Related Product Information for anti-SMPD1 antibody	Rabbit anti SMPD1 antibody recognizes sphingomyelin phosphodiesterase, also known as ASM, Sphingomyelin Phosphodiesterase, ASMASE and NPD. It is a lipid hydrolase that converts sphingomyelin to the bioactive messenger ceramide, and is activated by a number of molecules including TNF-alpha and LPS (Rozanova et al. 2010). Mutations in the SMPD1 gene resulting in deficient ASM production cause Niemann-Pick disease, one type of which causes lethality within three years of life (Schuchman 2007). SMPD1 mutations have also been implicated in sporadic Parkinson's disease (Mao et al. 2017). A role of ASM on mood regulation has been suggested, with high ASM expression implicated in major depressive episodes (Gulbins et al. 2015).
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.