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Datasheet for ABIN520192

## anti-ST3GAL1 antibody (AA 1-340)

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### Overview

Quantity:	50 µg
Target:	ST3GAL1
Binding Specificity:	AA 1-340
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This ST3GAL1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Purpose:	Mouse polyclonal antibody raised against a full-length human ST3GAL1 protein.
Immunogen:	ST3GAL1 (NP_003024.1, 1 a.a. ~ 340 a.a) full-length human protein.
Sequence:	MVTLRKRTLK VLTFLVLFIF LTSFFLNYSH TMVATTWFPK QMVLELSENL KRLIKHRPCT CTHCIGQRKL SAWFDERFNQ TMQPLLAQN ALLEDDTYRW WLRLQREKKP>NNLNDTIKEL FRVVPGNVDP MLEKRSVGCR RCAVVGNSGN LRESSYGPEI DSHDFVLRMN KAPTAGFEAD VGTKTTHHLV YPESFRELGD NVSMILVFPK TIDLEWVSA ITTGTISHTY IPVPAKIRVK QDKILYHPA FIKYVFDNWL QGHGRYPSTG ILSVIFSMHV CDEVDLYGFG ADSKGNWHHY WENNPSAGAF RKTGVHDADF ESNVTATLAS INKIRIFKGR
Cross-Reactivity:	Human
Characteristics:	Antibody reactive against mammalian transfected lysate.

## Target Details

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Target:	ST3GAL1
Alternative Name:	ST3GAL1 ( <a href="#">ST3GAL1 Products</a> )
Background:	Full Gene Name: ST3 beta-galactoside alpha-2,3-sialyltransferase 1 Synonyms: DKFZp666E036,DKFZp779K2051,FLJ36548,Gal-NAc6S,MGC9183,SIAT4A,SIATFL,ST3GalA,ST3GalA.1,ST3GalIIA,ST3GalIIA.1,ST3O
Gene ID:	6482
NCBI Accession:	<a href="#">NM_003033</a>
Pathways:	<a href="#">Glycosaminoglycan Metabolic Process</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

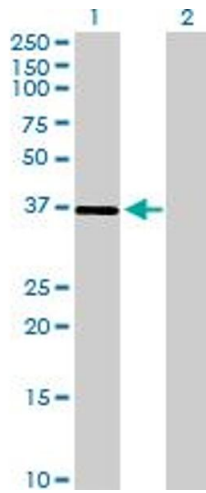
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Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

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Product cited in:	<p>Petrosyan, Casey, Cheng: "The role of Rab6a and phosphorylation of non-muscle myosin IIA tailpiece in alcohol-induced Golgi disorganization." in: <b>Scientific reports</b>, Vol. 6, pp. 31962, (2016) (<a href="#">PubMed</a>).</p> <p>Petrosyan, Ali, Cheng: "Keratin 1 Plays a Critical Role in Golgi Localization of Core 2 N-Acetylglucosaminyltransferase M via Interaction with Its Cytoplasmic Tail." in: <b>The Journal of biological chemistry</b>, Vol. 290, Issue 10, pp. 6256-69, (2015) (<a href="#">PubMed</a>).</p> <p>Petrosyan, Cheng: "Golgi fragmentation induced by heat shock or inhibition of heat shock proteins is mediated by non-muscle myosin IIA via its interaction with glycosyltransferases." in: <b>Cell stress &amp; chaperones</b>, Vol. 19, Issue 2, pp. 241-54, (2014) (<a href="#">PubMed</a>).</p>
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### Western Blotting

**Image 1.** Western Blot analysis of ST3GAL1 expression in transfected 293T cell line by ST3GAL1 MaxPab polyclonal antibody.

Lane 1: ST3GAL1 transfected lysate(37.4 KDa).

Lane 2: Non-transfected lysate.