

Product datasheet

Anti-SULT1A1 antibody [8B8] ab124036

4 Images

Overview

Product name	Anti-SULT1A1 antibody [8B8]
Description	Mouse monoclonal [8B8] to SULT1A1
Host species	Mouse
Tested applications	Suitable for: WB, IHC-P, Flow Cyt
Species reactivity	Reacts with: Human, Monkey
Immunogen	Recombinant full length Human SULT1A1 produced in HEK293T cells (NP_001046).
Positive control	WB: HEK293T cell lysate transfected with pCMV6-ENTRY SULT1A1 cDNA IHC-P: Human prostate carcinoma Flow Cyt: HEK293T cells transfected with a SULT1A1 overexpress plasmid; Jurkat cells
General notes	Dilute in PBS (pH 7.3) before use. Stable for 12 months from date of receipt.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 50% Glycerol, 1% BSA
Purity	Protein A purified
Purification notes	ab124036 was purified from Mouse ascites fluids by affinity chromatography.
Clonality	Monoclonal
Clone number	8B8
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab124036** in the following tested applications.

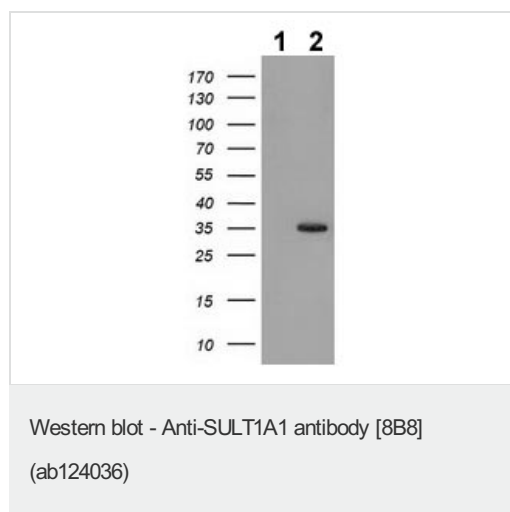
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 34 kDa.
IHC-P		1/150.
Flow Cyt		1/100. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

Target

Function	Catalyzes the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. Is also responsible for the sulfation and activation of minoxidil. Mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.
Tissue specificity	Liver, lung, adrenal, brain, platelets and skin.
Sequence similarities	Belongs to the sulfotransferase 1 family.
Cellular localization	Cytoplasm.

Images



All lanes : Anti-SULT1A1 antibody [8B8] (ab124036) at 1/500 dilution

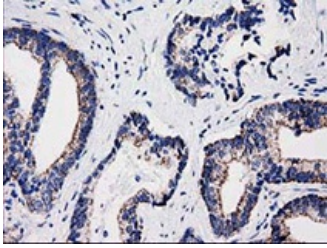
Lane 1 : HEK293T cell lysate transfected with pCMV6-ENTRY control

Lane 2 : HEK293T cell lysate transfected with pCMV6-ENTRY SULT1A1 cDNA

Lysates/proteins at 5 µg per lane.

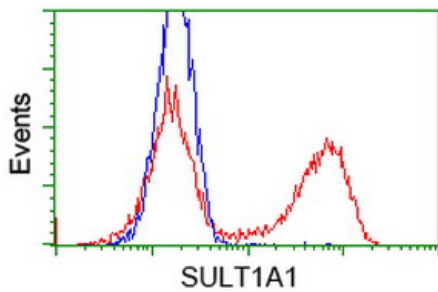
Predicted band size: 34 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC205310)



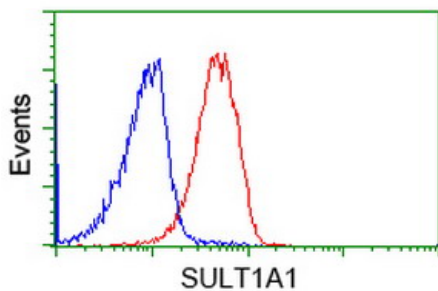
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SULT1A1 antibody [8B8] (ab124036)

ab124036, at a 1/150 dilution, staining SULT1A1 in paraffin embedded Human prostate carcinoma tissue by Immunohistochemistry.



Flow Cytometry - Anti-SULT1A1 antibody [8B8] (ab124036)

ab124036, at a 1/100 dilution, staining SULT1A1 in HEK293T cells transfected with a SULT1A1 overexpress plasmid (Red) or empty vector control plasmid (Blue) by Flow Cytometry.



Flow Cytometry - Anti-SULT1A1 antibody [8B8] (ab124036)

ab124036, at a 1/100 dilution, staining SULT1A1 in Jurkat cells (Red) by Flow Cytometry, compared to a nonspecific negative control antibody (Blue).

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