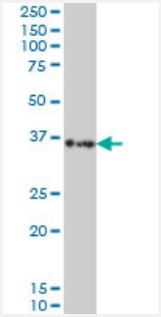
SORD monoclonal antibody (M01), clone 4D3

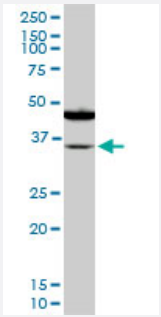
Catalog # H00006652-M01 Size 100 ug

Applications



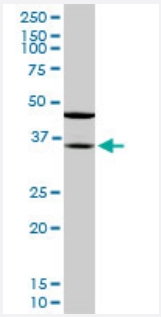
Western Blot (Cell lysate)

SORD monoclonal antibody (M01), clone 4D3 Western Blot analysis of SORD expression in Hela S3 NE (Cat # L013V3).



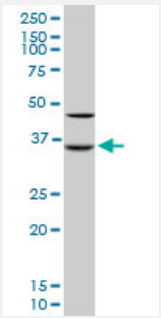
Western Blot (Cell lysate)

SORD monoclonal antibody (M01), clone 4D3. Western Blot analysis of SORD expression in PC-12 (Cat # L012V1).



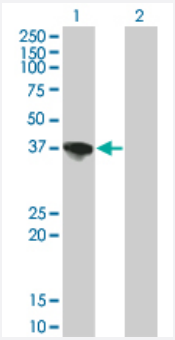
Western Blot (Cell lysate)

SORD monoclonal antibody (M01), clone 4D3. Western Blot analysis of SORD expression in NIH/3T3 (Cat # L018V1).



Western Blot (Cell lysate)

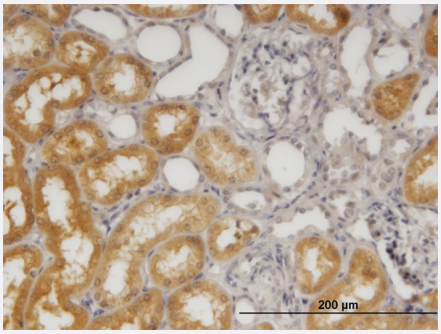
SORD monoclonal antibody (M01), clone 4D3. Western Blot analysis of SORD expression in Raw 264.7 (Cat # L024V1).



Western Blot (Transfected lysate)

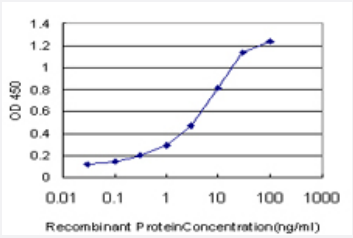
Western Blot analysis of SORD expression in transfected 293T cell line by SORD monoclonal antibody (M01), clone 4D3.

Lane 1: SORD transfected lysate(38.165 KDa).
Lane 2: Non-transfected lysate.



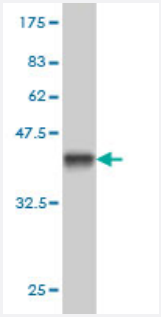
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to SORD on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1.2 ug/ml]



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SORD is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SORD.
Immunogen	SORD (NP_003095, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	MAAAAKPNNLSLVVHGPGDLRLENYPIPEPGPNEVLLRMHSVGICGSDVHYWEYGRIGNFIVKKP MVLGHEASGTVEKVGSSVKHLKPGDRVAIEPGAPRENDEFCKMGR
Host	Mouse
Reactivity	Human, Mouse, Rat
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  SORD monoclonal antibody (M01), clone 4D3 Western Blot analysis of SORD expression in Hela S3 NE (Cat # L013V3).

  Protocol Download

- Western Blot (Cell lysate)

  SORD monoclonal antibody (M01), clone 4D3. Western Blot analysis of SORD expression in PC-12 (Cat # L012V1).

  Protocol Download

- Western Blot (Cell lysate)

  SORD monoclonal antibody (M01), clone 4D3. Western Blot analysis of SORD expression in NIH/3T3 (Cat # L018V1).

  Protocol Download

- Western Blot (Cell lysate)

  SORD monoclonal antibody (M01), clone 4D3. Western Blot analysis of SORD expression in Raw 264.7 (Cat # L024V1).

  Protocol Download

- Western Blot (Transfected lysate)

  Western Blot analysis of SORD expression in transfected 293T cell line by SORD monoclonal antibody (M01), clone 4D3.

  Lane 1: SORD transfected lysate(38.165 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunoperoxidase of monoclonal antibody to SORD on formalin-fixed paraffin-embedded human kidney. [antibody concentration 1.2 ug/ml]

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged SORD is approximately 0.1ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — SORD

Entrez GeneID	6652
GeneBank Accession#	NM_003104
Protein Accession#	NP_003095
Gene Name	SORD
Gene Alias	SORD1
Gene Description	sorbitol dehydrogenase
Omim ID	182500
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- Sorbitol dehydrogenase expression is regulated by androgens in the human prostate.

  Szabo Z, Hamalainen J, Loikkanen I, Moilanen AM, Hirvikoski P, Vaisanen T, Paavonen TK, Vaarala MH.

  Oncology Reports 2010 May; 23(5):1233.

  Application: IHC-P, WB-Re, WB-Ti, Human, Human prostates

Pathway

- Fructose and mannose metabolism
- Metabolic pathways

Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms