ELK Biotechnology

DHSO rabbit pAb

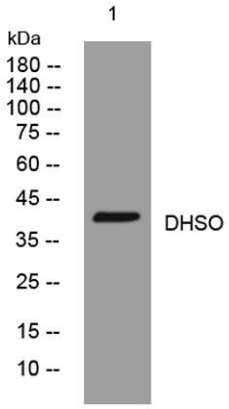
Cat No.:ES16949

For research use only

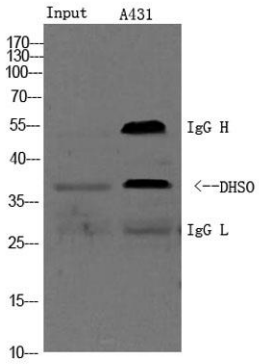
Overview

Product Name	DHSO rabbit pAb
Host species	Rabbit
Applications	WB;IP
Species Cross-Reactivity	Human; Mouse;Rat
Recommended dilutions	WB 1：500-2000 IP 1:200
Immunogen	Synthesized peptide derived from human DHSO
Specificity	This antibody detects endogenous levels of DHSO at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	DHSO
Gene Name	SORD
Cellular localization	Mitochondrion membrane ; Peripheral membrane protein . Cell projection, cilium, flagellum . Associated with mitochondria of the midpiece and near the plasma membrane in the principal piece of the flagellum. Also found in the epididymosome, secreted by the
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	6652
Human Swiss-Prot Number	Q00796
Alternative Names	
Background	Sorbitol dehydrogenase (SORD; EC 1.1.1.14) catalyzes the interconversion of polyols and their corresponding ketoses, and together with aldose reductase (ALDR1; MIM 103880), makes up the sorbitol pathway that is believed to play an

important role in the development of diabetic complications (summarized by Carr and Markham, 1995 [PubMed 8535074]). The first reaction of the pathway (also called the polyol pathway) is the reduction of glucose to sorbitol by ALDR1 with NADPH as the cofactor. SORD then oxidizes the sorbitol to fructose using NAD(+) cofactor.[supplied by OMIM, Jul 2010],



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°over night



1) Input: Hela Lysate 2) IP product: IP dilute 1: 200
Western blot analysis: primary antibody : 1:2000
Secondary antibody: Goat anti-Mouse IgG(RS0002), 1: 5000