Mouse anti-Human GSR Monoclonal Antibody | anti-GSR antibody

GSR (Glutathione Reductase, Mitochondrial, GR, GRase, GSR, GLUR, GRD1, MGC78522) APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24526	**Mouse**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

GSR; Monoclonal Antibody; GSR (Glutathione Reductase; Mitochondrial; GR; GRase; GLUR; GRD1; MGC78522) APC; anti-GSR antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6B4
Specificity	Recognizes human GSR.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Applicable Applications for anti-GSR antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IHC-P: 6ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa413-522 from human GSR (NP_000628) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	TVVFSHPPIGTVGLTEDEAIHKYGIENVKTYSTSFTPMYHAVTKRKTKCVMKMVCANKEEKVVGIHMQGLGCDEMLQGFAVAVKMGATKADFDNTVAIHP
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, cen original vial prior to removing the cap.

IMAGES

WB (Western Blot)
Western blot analysis of GSR over-expressed 293 cell line, cotransfected with GSR Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with GSR monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged GSR is ~0.03ng/ml as a capture antibody.

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to GSR on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 6ug/ml].

WB (Western Blot)
Western Blot analysis of GSR expression in transfected 293T cell line by GSR monoclonal antibody. Lane 1: GSR transfected lysate (56.3kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
GSR monoclonal antibody Western Blot analysis of GSR expression in IMR-32.

WB (Western Blot)
Western Blot detection against Immunogen (37.84kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-GSR antibody	Antibodies; Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	50301238
NCBI GeneID	2936
NCBI Accession #	NP_000628
NCBI GenBank Nucleotide #	NM_000637
UniProt Accession #	P00390; Q7Z5C9; Q9NP63; C8KIL8; C8KIL9; C8KIM0; D3DSV3
Molecular Weight	47,267 Da
NCBI Official Full Name	glutathione reductase, mitochondrial isoform 1
NCBI Official Synonym Full Names	glutathione-disulfide reductase
NCBI Official Symbol	GSR
NCBI Official Synonym Symbols	HEL-75; HEL-S-122m
NCBI Protein Information	glutathione reductase, mitochondrial
UniProt Protein Name	Glutathione reductase, mitochondrial
UniProt Gene Name	**GSR**
UniProt Synonym Gene Names	GLUR; GRD1; GR; GRase
UniProt Entry Name	GSHR_HUMAN

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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/gsr-antibody-clone-6b4-immunohistochemistry-western-blot-elisa/24526