

Anti-GST Antibody [16-21]

EM80701



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Species independent
Applications:	WB, ELISA
Clone number:	16-21

Description: The glutathione S-transferase (GST) family of enzymes comprises a long list of cytosolic, mitochondrial, and microsomal proteins that are capable of multiple reactions with a multitude of substrates, both endogenous and xenobiotic. Mammalian cytosolic GSTs are dimeric both subunits being from the same class of GSTs. The monomers are in the range of 22–29 kDa. Glutathione S-transferase is used to create the “GST gene fusion system” in genetic engineering. Here, GST is used to purify and detect proteins of interest.

Immunogen: Recombinant protein.

Positive control: GST-tagged recombinant protein.

Recommended Dilutions:

WB	1:5,000
ELISA	1:10,000-1:20,000

Storage Buffer: PBS (pH7.4), 0.1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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www.huabio.cn

Images

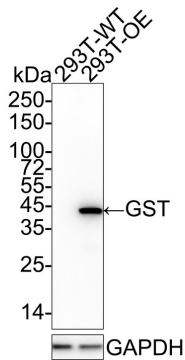


Fig1: Western blot analysis of GST on different lysates with Mouse anti-GST antibody (EM80701) at 1/5,000 dilution.

Lane 1: 293T cell lysate

Lane 2: 293T transfected with GST-tagged Histone H3.1 cell lysate

Lysates/proteins at 10 µg/Lane.

Exposure time: 46 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (EM80701) at 1/5,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Choi, H.K., et al. 2013. Early estrogen-induced gene 1, a novel RANK signaling component, is essential for osteoclastogenesis. *Cell Res.* 23: 524-536.
2. Patra, A.K., et al. 2013. An alternative NFAT-activation pathway mediated by IL-7 is critical for early thymocyte development. *Nat. Immunol.* 14: 127-135.

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