

# Product Datasheet

## Microsomal Glutathione S-transferase 1 Antibody (14H2) NBP2-80410

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-80410****Microsomal Glutathione S-transferase 1 Antibody (14H2)**

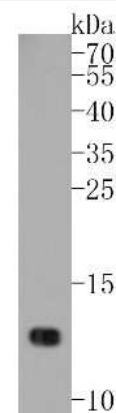
<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	2 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	14H2
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH7.4), 0.2% BSA, 50% Glycerol
<b>Target Molecular Weight</b>	18 kDa

<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene Symbol</b>	MGST1
<b>Species</b>	Human, Mouse, Rat, Zebrafish
<b>Reactivity Notes</b>	Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-questions.
<b>Immunogen</b>	Recombinant protein within Human Microsomal Glutathione S-transferase 1 aa 1-144 / 155. (SwissProt: P10620 Human; SwissProt: Q91VS7 Mouse; SwissProt: P08011 Rat)

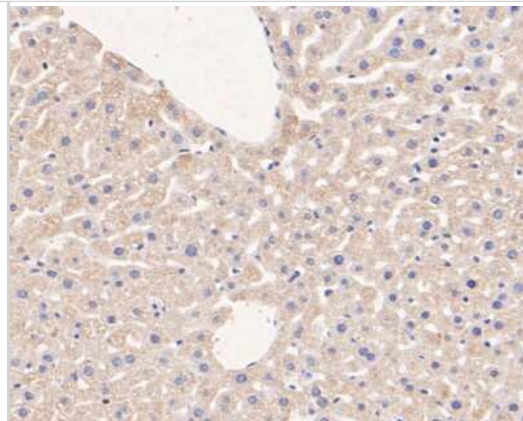
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunohistochemistry-Paraffin 1:100-1:200

**Images**

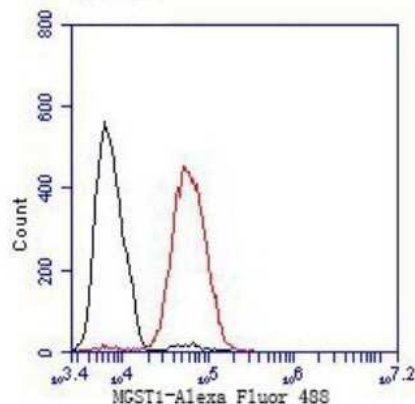
Western Blot: Microsomal Glutathione S-transferase 1 Antibody (14H2) [NBP2-80410] - Western blot analysis of Microsomal Glutathione S-transferase 1 on zebrafish tissue lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at roo



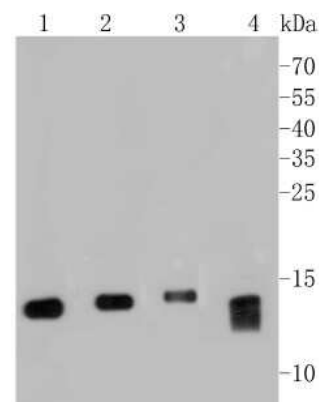
**Immunohistochemistry-Paraffin: Microsomal Glutathione S-transferase 1 Antibody (14H2) [NBP2-80410]** - Analysis in mouse liver tissue using Microsomal Glutathione S-transferase 1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at



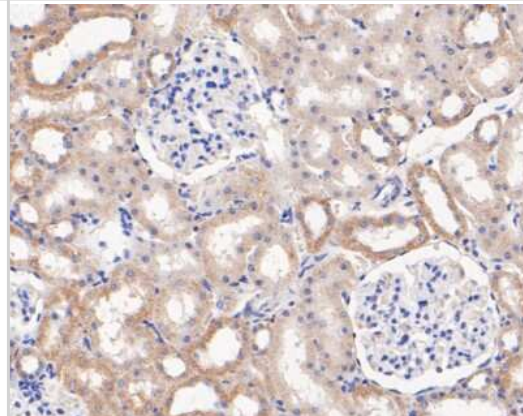
**Flow Cytometry: Microsomal Glutathione S-transferase 1 Antibody (14H2) [NBP2-80410]** - Analysis of Microsomal Glutathione S-transferase 1 was done on MCF-7 cells. The cells were fixed, permeabilized and stained with the primary antibody (1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Mouse IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabeled sample was used as a control (cells without incubation with primary antibody; black).



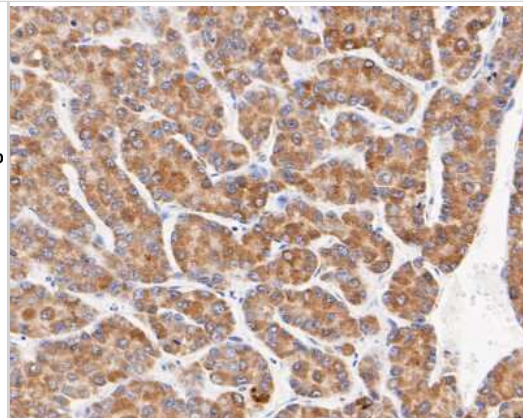
**Western Blot: Microsomal Glutathione S-transferase 1 Antibody (14H2) [NBP2-80410]** - Analysis of Microsomal Glutathione S-transferase 1 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (NBP2-80410, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: SiHa cell lysate Lane 2: HepG2 cell lysate Lane 3: A549 cell lysate Lane 4: U937 cell lysate



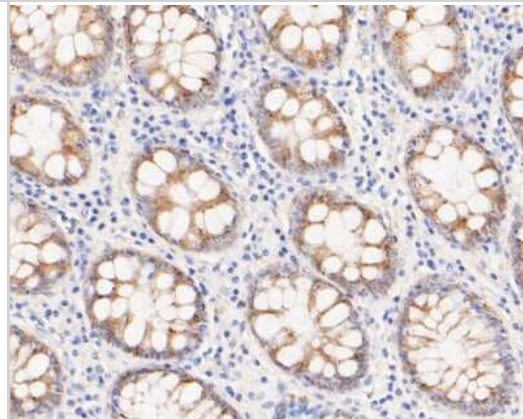
**Immunohistochemistry-Paraffin: Microsomal Glutathione S-transferase 1 Antibody (14H2) [NBP2-80410]** - Analysis in rat kidney tissue using Microsomal Glutathione S-transferase 1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at



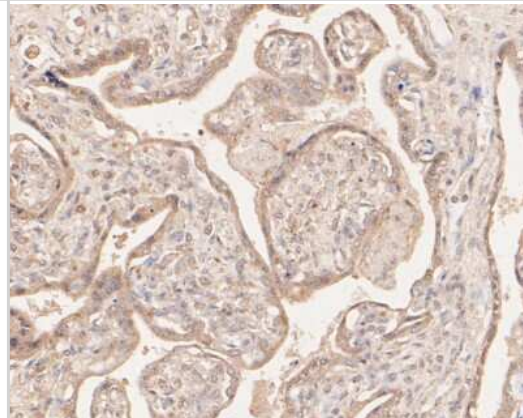
Immunohistochemistry-Paraffin: Microsomal Glutathione S-transferase 1 Antibody (14H2) [NBP2-80410] - Analysis in human liver carcinoma tissue using Microsomal Glutathione S-transferase 1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30



Immunohistochemistry-Paraffin: Microsomal Glutathione S-transferase 1 Antibody (14H2) [NBP2-80410] - Analysis in human colon tissue using Microsomal Glutathione S-transferase 1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at



Immunohistochemistry-Paraffin: Microsomal Glutathione S-transferase 1 Antibody (14H2) [NBP2-80410] - Analysis in human placenta tissue using Microsomal Glutathione S-transferase 1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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