

# Musashi-1

# Data Sheet

**Catalog Number:** GT15116

**Product Type:** Goat IgG

**Immunogen Sequence:** Recombinant human Musashi

**Format:** Affinity Purified liquid

**Species Reactivity:** Human

**Applications:** Immunocytochemistry  
Immunohistochemistry  
Western blotting  
ELISA

**Dilutions:** ICC 10 ug/ml  
IHC 10 ug/ml  
WB 0.1 - 0.2 ug/ml  
E 0.5 - 1.0 ug/ml

**Storage:** Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

## Immunohistochemistry

This antibody was used at a concentration of 10 ug/ml to detect human Musashi-1 in human fetal brain. Tissue sections were fixed with PBS containing 4% paraformaldehyde for 20 minutes at room temperature and blocked with PBS containing 10% normal donkey serum, 0.1% Triton X-100, and 1% BSA for 45 minutes at room temperature. After blocking, cells were incubated with diluted primary antibody overnight at 4C followed by Rhodamine Red-coupled anti-mouse IgG at room temperature in the dark for one hour. Between each step, cells were washed with PBS containing 0.1% BSA.

## Western Blot

This antibody can be used at 0.1 – 0.2 ug/ml with the appropriate secondary reagents to detect human Musashi-1. Using a colorimetric detection system, the detection limit for recombinant human Musashi-1 is approximately 20 ng/lane under non-reducing and reducing conditions.