Product datasheet for TA309222

PROX1 Mouse Monoclonal Antibody [Clone ID: 5G10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5G10
Applications:	IHC
Recommended Dilution:	IHC on paraffin sections: 1:1000
Reactivity:	Chicken, Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human Prox1 protein
Formulation:	100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	prospero homeobox 1
Database Link:	NP_002754 Entrez Gene 19130 MouseEntrez Gene 305066 RatEntrez Gene 5629 Human Q92786
Synonyms:	prospero-related homeobox 1; prospero homeobox 1

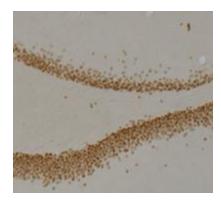View online »

Note:	Protocol for paraffin sections, without antigen retrieval:

- Deparaffinized and rehydrate sections.
- Block sections in 0.1% BSA with 0.25% triton-X-100 in 0.1M tris-saline + 5% horse serum for 1 hr at RT.
- Dilute PROX1 antibody 1:1000 in 0.1% BSA with 0.25% triton-X-100 in 0.1M tris-saline and incubate overnight at 4 C.
- Wash 2 x 10 min in 0.1% BSA with 0.25% triton-X-100 in 0.1M tris-saline + 1% horse serum
- Incubate in biotinylated secondary at 1:5000 dilution for 1 hr at RT
- Wash 2 x 10 min 0.1% BSA with 0.25% triton-X-100 in 0.1M tris-saline + 1% horse serum
- Incubate in ABC-HRP reagent for 1hr at RT
- Wash 2 x 10 min 0.1% BSA with 0.25% triton-X-100 in 0.1M tris-saline
- Incubate in DAB for 6 minutes.

Protein Families: Embryonic stem cells, ES Cell Differentiation/IPS

Product images:

Immunohistochemical staining of rat dentate gyrus showing specific immunolabeling of the prox1 protein. Photo courtesy of Justin Kievits and Teresa Milner, Weill Cornell Medical College.