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BOLL Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant BOLL.
Catalog # AT1308a

Specification

BOLL Antibody (monoclonal) (M03) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q8N9W6
Other Accession	NM_033030
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**31301**

BOLL Antibody (monoclonal) (M03) - Additional Information

Gene ID 66037

Other Names
Protein boule-like, BOLL, BOULE

Target/Specificity
BOLL (NP_149019, 185 a.a. ~ 283 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IHC~~1:100~500
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
BOLL Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

BOLL Antibody (monoclonal) (M03) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

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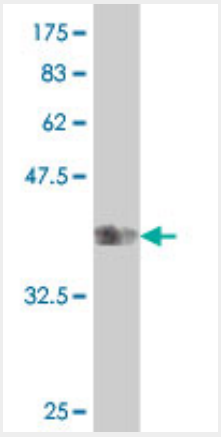
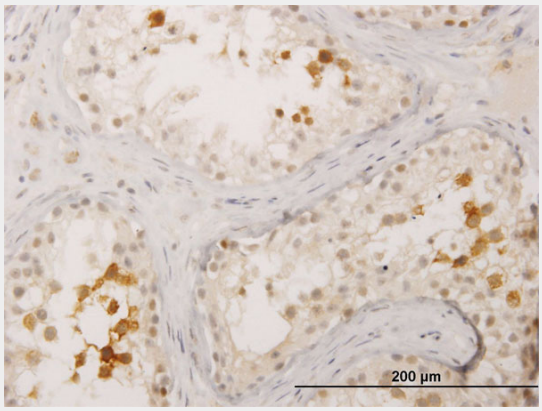
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

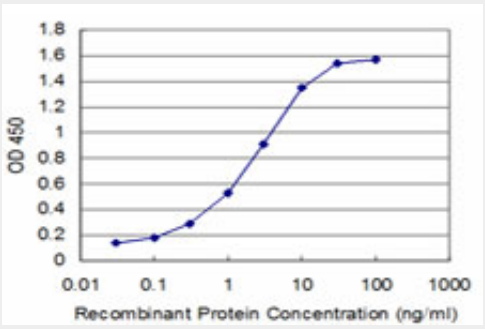
BOLL Antibody (monoclonal) (M03) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



Immunoperoxidase of monoclonal antibody to BOLL on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged BOLL is approximately 0.3ng/ml as a capture antibody.

BOLL Antibody (monoclonal) (M03) - Background

This gene belongs to the DAZ gene family required for germ cell development. It encodes an RNA-binding protein which is more similar to Drosophila Boule than to human proteins encoded by genes DAZ (deleted in azoospermia) or DAZL (deleted in azoospermia-like). Loss of this gene function results in the absence of sperm in semen (azoospermia). Histological studies demonstrated that the primary defect is at the meiotic G2/M transition. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

BOLL Antibody (monoclonal) (M03) - References

Human DAZL, DAZ and BOULE genes modulate primordial germ-cell and haploid gamete formation. Kee K, et al. Nature, 2009 Nov 12. PMID 19865085.Posttranscriptional regulation of CDC25A by BOLL is a conserved fertility mechanism essential for human spermatogenesis. Lin YM, et al. J Clin Endocrinol Metab, 2009 Jul. PMID 19417033.Phenotypic expression of partial AZFc deletions is independent of the variations in DAZL and BOULE in a Han population. Chen P, et al. J Androl, 2010 Mar-Apr. PMID 19342699.Susceptibility loci for intracranial aneurysm in European and Japanese populations. Bilguvar K, et al. Nat Genet, 2008 Dec. PMID 18997786.Association of three isoforms of the meiotic BOULE gene with spermatogenic failure in infertile men. Kostova E, et al. Mol Hum Reprod, 2007 Feb. PMID 17114206.