

## Monoclonal Antibody to IGHMBP2 - Purified

<b>Alternate names:</b>	ATP-dependent helicase IGHMBP2, DNA-binding protein SMUBP-2, Glial factor 1, Immunoglobulin mu-binding protein 2, cardiac transcription factor 1, immunoglobulin mu binding protein 2
<b>Catalog No.:</b>	AM50418PU-N
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	lot-specific
<b>Background:</b>	Immunoglobulin mu-binding protein 2 (IGHMBP2) is a nucleic acid binding protein that acts on both RNA and DNA. The mature protein contains an ATP-dependent RNA/DNA helicase domain, an R3H single-stranded nucleic acid-binding domain, and a zinc finger domain. Consistent with these multiple functional domains, in vitro data suggests this protein is involved in an array of cellular functions such as transcriptional activation, DNA replications immunoglobulin class switching, pre-mRNA splicing, and translation.
<b>Uniprot ID:</b>	<a href="#">P38935</a>
<b>NCBI:</b>	<a href="#">NP_002171.2</a>
<b>GeneID:</b>	<a href="#">3508</a>
<b>Host / Isotype:</b>	Mouse / IgG2b
<b>Recommended Isotype Controls:</b>	SM12P, AM03110PU-N
<b>Clone:</b>	mAb11-24
<b>Immunogen:</b>	Recombinant Protein corresponding to human IGHMBP2.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Protein G Chromatography <b>Buffer System:</b> 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
<b>Applications:</b>	<b>Immunoprecipitation:</b> A representative lot was used by an independent laboratory in IP. (de Planell-Saguer, M., et al. (2009). Hum Mol Genet. 18(12):2115-2126.) <b>Western Blot:</b> 0.5 µg/mL of this antibody detected IGHMBP2 on 10 µg of Hek293 cell lysate.. <b>Immunocytochemistry.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Demonstrated to react with human.
<b>Storage:</b>	Store undiluted at 2-8°C. Shelf life: one year from despatch.

Pictures:

Western Blotting Analysis:  
Representative lot data.  
HEK293 cell lysate was probed with Anti-IGHMBP2, clone mAb11-24 (0.5 µg/mL). Proteins were visualized using a Goat Anti-Mouse IgG secondary antibody conjugated to HRP and a chemiluminescence detection system. Arrow indicates IGHMBP2 (~110 kDa).

