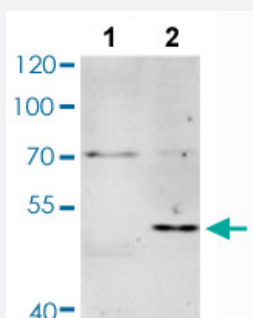


# MAX (phospho S11) polyclonal antibody

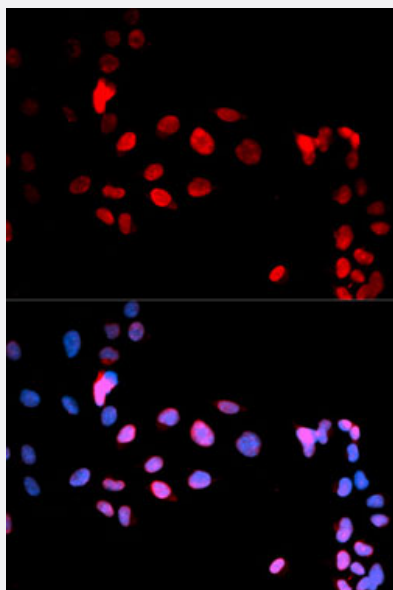
Catalog # PAB29594      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Lane 1: Untreated Jurkat cells, Lane 2: Starvation treated Jurkat cells with MAX (phospho S11) polyclonal antibody (Cat # PAB29594) at 1:500-1:2000 dilution.



### Immunofluorescence

Immunofluorescent staining of U-2 OS cells with MAX (phospho S11) polyclonal antibody (Cat # PAB29594) at 1:50-1:200 dilution. Blue: DAPI for nuclear staining.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human MAX.
<b>Immunogen</b>	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S11 of human MAX.
<b>Host</b>	Rabbit

Theoretical MW (kDa)	21
Reactivity	Human
Specificity	MAX (phospho S11) polyclonal antibody detects endogenous levels of human MAX only when phosphorylated at serine 11.
Form	Liquid
Purification	Affinity chromatography
Recommend Usage	Immunofluorescence (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without $Mg^{2+}$ and $Ca^{2+}$ ), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Untreated Jurkat cells, Lane 2: Starvation treated Jurkat cells with MAX (phospho S11) polyclonal antibody (Cat # PAB29594) at 1:500-1:2000 dilution.

- Immunofluorescence

Immunofluorescent staining of U-2 OS cells with MAX (phospho S11) polyclonal antibody (Cat # PAB29594) at 1:50-1:200 dilution. Blue: DAPI for nuclear staining.

## Gene Info — MAX

Entrez GeneID	<a href="#">4149</a>
Protein Accession#	<a href="#">P61244</a>
Gene Name	MAX
Gene Alias	MGC10775, MGC11225, MGC18164, MGC34679, MGC36767, bHLHd4, bHLHd5, bHLHd6, bHLHd7, bHLHd8, orf1
Gene Description	MYC associated factor X

Omim ID [154950](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a member of the basic helix-loop-helix leucine zipper (bHLHZ ) family of transcription factors. It is able to form homodimers and heterodimers with other family members, which include Mad, Mxi1 and Myc. Myc is an oncoprotein implicated in cell proliferation , differentiation and apoptosis. The homodimers and heterodimers compete for a common DNA target site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. Multiple alternatively spliced transcript variants have been described for this gene but the full-length nature for some of them is unknown. [provided by RefSeq

**Other Designations**

MAX protein|helix-loop-helix zipper protein|myc-associated factor X

## Pathway

- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)