



# GAS41 Polyclonal Antibody

<b>Catalog No</b>	BYab-03890
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	YEATS4
<b>Protein Name</b>	YEATS domain-containing protein 4
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human GAS41. AA range:1-50
<b>Specificity</b>	GAS41 Polyclonal Antibody detects endogenous levels of GAS41 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	YEATS4; GAS41; YEATS domain-containing protein 4; Glioma-amplified sequence 41; Gas41; NuMA-binding protein 1; NuBI-1; NuB11
<b>Observed Band</b>	40kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Expressed in brain, heart, kidney, liver, lung, pancreas, placenta and skeletal muscle.
<b>Function</b>	function:Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage.,similarity:Contains 1 YEATS domain.,subunit:Component of numerous

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complexes with chromatin remodeling and histone acetyltransferase activity.  
Component of the NuA4 histone acetyltransferase complex whi

**Background**

The protein encoded by this gene is found in the nucleoli. It has high sequence homology to human MLLT1, and yeast and human MLLT3 proteins. Both MLLT1 and MLLT3 proteins belong to a class of transcription factors, indicating that the encoded protein might also represent a transcription factor. This protein is thought to be required for RNA transcription. This gene has been shown to be amplified in tumors. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014],

**matters needing attention**

Avoid repeated freezing and thawing!

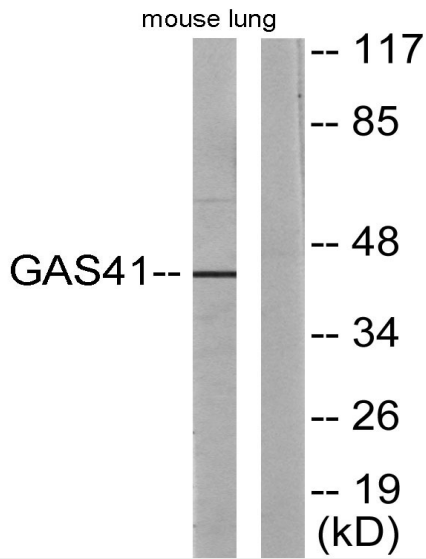
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

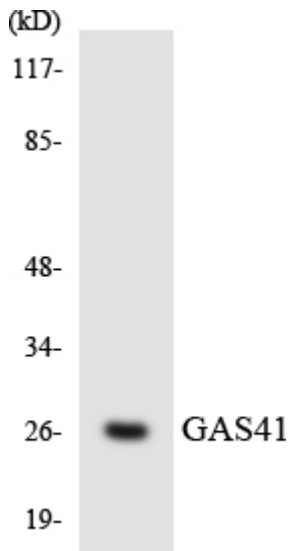
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## Products Images



Western blot analysis of lysates from mouse lung, using GAS41 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using GAS41 antibody.