



## GR (Acetyl Lys494) mouse mAb

Catalog No	BYmab-03250
lsotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	NR3C1 GRL
Protein Name	GR (Acetyl Lys494)
Immunogen	Synthesized peptide derived from human GR (Acetyl Lys494)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat GR (Acetyl Lys494)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Glucocorticoid receptor (GR;Nuclear receptor subfamily 3 group C member 1)
Observed Band	85kD
Cell Pathway	[Isoform Alpha]: Cytoplasm . Nucleus . Mitochondrion . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . After ligand activation, translocates from the cytoplasm to the nucleus. In the presence of NR1D1 shows a time-dependent subcellular localization, localizing to the cytoplasm at ZT8 and to the nucleus at ZT20 (By similarity). Lacks this diurnal pattern of localization in the absence of NR1D1, localizing to both nucleus and the cytoplasm at ZT8 and ZT20 (By similarity); [Isoform Beta]: Nucleus . Cytoplasm . Expressed predominantly in the nucleus with some expression also detected in the cytoplasm; [Isoform Alpha-B]: Nucleus . Cytoplasm . After ligand activation, translocates from the cytoplasm to the nucleus.
Tissue Specificity	Widely expressed including bone, stomach, lung, liver, colon, breast, ovary, pancreas and kidney (PubMed:25847991). In the heart, detected in left and right atria, left and right ventricles, aorta, apex, intraventricular septum, and atrioventricular node as well as whole adult and fetal heart (PubMed:10902803). ; [Isoform Beta]: Widely expressed including brain, bone marrow, thymus, spleen, liver, kidney, pancreas, lung, fat, skeletal muscle, heart, placenta and blood
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leukocytes. ; [Isoform Alpha-2]: Widely expressed.

Function	regulation of carbohydrate metabolic process, regulation of gluconeogenesis, chromatin organization, transcription, transcription, DNA-dependent, regulation of transcription, DNA-dependent, transcription from RNA polymerase II promoter, intracellular signaling cascade, steroid metabolic process, glucocorticoid metabolic process, response to organic substance, regulation of cellular ketone metabolic process, regulation of cellular carbohydrate metabolic process, regulation of hormone levels, regulation of glucose metabolic process, regulation of cell death, positive regulation of cell death, chromatin modification, regulation of lipid metabolic process, regulation of steroid metabolic process, adrenal gland development, steroid hormone receptor signaling pathway, intracellular receptor-mediated signaling pathway, regulation of glucocorticoid metabolic process, regulation of glucocorticoid
Background	alternative products:At least 4 isoforms, Alpha (shown here), Alpha-B, Beta and Beta-B, are produced by alternative initiation at Met-1 and Met-27. The existence of isoform Alpha and isoform Alpha-B has been proved by mutagenesis. As the sequence environment of the 2 potential ATG initiator codons is the same for the other altmatively spliced isoforms, alternative initiation of translation could also occur on these transcripts. Additional isoforms seem to exist, disease: Defects in NR3C1 are a cause of gluccocorticoid resistance [MIIN:138040]; also known as cortisol resistance. It is a hypertensive, hyperandrogenic disorder characterized by increased serum cortisol concentrations. Inheritance is autosomal domain, function:Receptor for gluccoorticoids (GC). Has a dual mode of action: as a transcription factor that binds to gluccoorticoid response elements (GRE) and as a modulator of other transcription factors. Affects inflammatory responses, cellular proliferation and differentiation in target tissues. Could act as a coactivator for STAT5-dependent transcription factors. Affects inflammatory responses, cellular proliferation and elements (GRE) and as a modulation of expanded polyglutamine polypeptides derived from AR and Nuclear Itanslocation, miscellaneous: Can up- or down-modulate aggregation and nuclear translocation, miscellaneous: Au up- or down-modulate algoregation and nuclear localization of expanded polyglutamine proteins are regulated cellular processes that can be modulated by this receptor, a well-characterized transcriptional egulator, miscellaneous: High constitutive expression of isoform beta by neutophism: any provide a mechanism by which these cells escape glucocorticoid induced cell death. Up-regulation by proinflammatory cytokines such as 1L8 further enhances their survival in the presence of gluccosticoid setting a seriet metabolic headtha profile. Carriers have a better survival than non-carriers, as well as lower serum CRP levels. The 22-Glu-Lys-23 polymorphism is associated with a sex-spe

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	with NCOA1, NCOA3, SMARCA4, SMARCC1, SMARCD1, and SMARCE1 (By similarity). Interacts with several coactivator complexes, including the SMARCA4 complex, CREBBP/EP300, TADA2L and p160 coactivators such as NCOA2 and NCOA6. Interaction with BAG1 inhibits transactivation. Interacts with HEXIM1, PELP1 and TGFB1I1.,tissue specificity:Widely expressed. In the heart, detected in left and right atria, left and right ventricles, aorta, apex, intraventricular septum, and atrioventricular node as well as whole adult and fetal heart.,
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.

**Products Images** 

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