

Recombinant

DGRmAb®

BMAL1 (DGR34336) Rabbit mAb

db11283

Package : 10µL 20µL 50µL 100µL

Product Name : BMAL1 (DGR34336) Rabbit mAb**Cat.No.:** db11283**Synonyms** : TIC; JAP3; MOP3; ARNTL; PASD3; ARNTL1; BMAL1c; bHLHe5**Application** : WB, IHC, ICC/IF, IP**Reactivity** : Human, Mouse, Rat**Host species** : Rabbit**Background**

The protein encoded by this gene is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This heterodimer binds E-box enhancer elements upstream of Period (PER1, PER2, PER3) and Cryptochrome (CRY1, CRY2) genes and activates transcription of these genes. PER and CRY proteins heterodimerize and repress their own transcription by interacting in a feedback loop with CLOCK/ARNTL complexes. Defects in this gene have been linked to infertility, problems with gluconeogenesis and lipogenesis, and altered sleep patterns. The protein regulates interferon-stimulated gene expression and is an important factor in viral infection, including COVID-19. [provided by RefSeq, Oct 2021]

Immunogen

A synthetic peptide of human BMAL1

Gene ID

406, 11865, 29657

Swiss Prot

O00327, Q9WTL8, Q9EPW1

Synonyms

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Reactivity

Human, Mouse, Rat

Application

WB, IHC, ICC/IF, IP

Recommended dilution

WB: 1:1000

IHC: 1:200-1:1000

ICC/IF: 1:100

IP: 1:20-1:40

Calculated MW

69 kDa

Observed MW

78 kDa

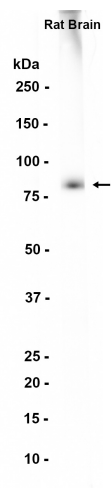
Host species

Rabbit

Clonality

Monoclonal

Clonality No.	DGR34336
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Rat brain tissue using db11283 at 1:1000.