

Datasheet for ABIN7140424  
**anti-Major Royal Jelly Protein 1 (MRJP1) (AA 20-432)  
antibody (HRP)**



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## Overview

Quantity:	100 µg
Target:	Major Royal Jelly Protein 1 (MRJP1)
Binding Specificity:	AA 20-432
Reactivity:	Apis mellifera
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA

## Product Details

Immunogen:	Recombinant Apis mellifera Major royal jelly protein 1 protein (20-432AA)
Isotype:	IgG
Cross-Reactivity:	Apis mellifera
Purification:	>95%, Protein G purified

## Target Details

Target:	Major Royal Jelly Protein 1 (MRJP1)
Alternative Name:	MRJP1 ( <a href="#">MRJP1 Products</a> )
Background:	Background: Major royal jelly protein 1: induces the differentiation of honeybee larvae into queens through an Egfr-mediated signaling pathway. Promotes body size increase by activating

## Target Details

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p70 S6 kinase, stimulates ovary development by augmenting the titer of vitellogenin (Vg) and juvenile hormone, and reduces developmental time by increasing the activity of mitogen-activated protein kinase and inducing the 20-hydroxyecdysone protein (20E). Most abundant protein found in the royal jelly which is the food of the queen honey bee larva. The royal jelly determines the development of the young larvae and is responsible for the high reproductive ability of the honeybee queen

Aliases: MRJP1 antibody, Major royal jelly protein 1 antibody, MRJP-1 antibody, MRJP1 antibody, 56- kDa protein 4 antibody, p56kP-4 antibody, Apalbumin 1 antibody, Apisin subunit MRJP1 antibody, Bee-milk protein antibody, Royalactin) [Cleaved into: Jellein-1 antibody, Jelleine-I), Jellein-2 antibody, Jelleine-II), Jellein-4 antibody, Jelleine-IV)] antibody

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UniProt: [O18330](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.