

## Datasheet

### MRPL28 purified MaxPab mouse polyclonal antibody (B02P)

**Catalog Number:** H00010573-B02P

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse polyclonal antibody raised against a full-length human MRPL28 protein.

**Immunogen:** MRPL28 (NP\_006419.2, 1 a.a. ~ 256 a.a) full-length human protein.

**Sequence:**

MPLHKYPVWLWKRLQLREGICSRLPGHYLRSLLEEERT  
PTPVHYRPHGAKFKINPKNGQRRVEDVPIPIYFPPES  
QRGLWGGEWILGQIYANNDKLSKRLKKVWKPQLFE  
REFYSEILDKKFTVTMTRTLDEAYGLDFYILKTPKE  
DLCSKFGMDLKRGMLLRLARQDPQLHPEDPERRAAIY  
DKYKEFAIPEEEAEWVGLTLEEAIKQRLLEEKDPVPLF  
KIYVAELIQLQQQALSEPAVVQKRASGQ

**Host:** Mouse

**Reactivity:** Human

**Applications:** WB-Ti, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 10573

**Gene Symbol:** MRPL28

**Gene Alias:** MAAT1, MGC8499, p15

**Gene Summary:** Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an

estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein, a part of which was originally isolated by its ability to recognize tyrosinase in an HLA-A24-restricted fashion. [provided by RefSeq]