

## TOM34 (Translocase of the outer mitochondrial membrane 34; TOM34-4.1)

Catalogue No.	Pack Size
8016-4-20	20 µg
8016-4-100	100 µg

### Product Description

Translocase of the outer mitochondrial membrane 34 (TOM34), exhibits chaperone-like activity and is involved in importing precursor proteins into the mitochondria. It is mainly located in the cytoplasm and occasionally associates with the outer mitochondrial membrane. It also features weak ATPase activity and six TPR repeats, highlighting its functional versatility.

Identified as a component of the cellular chaperone system, TOMM34 interacts with Hsp70 and Hsp90, influencing protein folding. Elevated levels of TOMM34 are observed in bladder, colorectal, breast and ovarian cancers, where it promotes tumour growth and serves as a biomarker for poor prognosis.

References: Muller, Petr et al. *Journal of ovarian research* vol. 12,1 30. 27 Mar. 2019.

### Product Characteristics

Characteristic	Information
Host species	Mouse
Type	Monoclonal
Isotype	IgG1
Clone name	TOM34-4.1
Immunogen	TOM34
Species specificity	Human
Target Mw (kDa)	34

Supplied at 1mg/mL in 1x PBS with 0.01% sodium azide. Suitable for short term (2 – 3 months) storage at 4°C. Aliquot for long storage at -20°C. Avoid multiple freeze-thawing.

### Product Application

TOM34-4.1 has been tested to work for the following applications:

- Western Blotting (WB)
- Immunoprecipitation (IP)
- Immunohistochemistry (IHC)

Not tested for other applications.

The user will need to determine the optimal dilution.

### Technical support

If you are experiencing difficulties with using the reagent, please contact our team with relevant information at [infoab@abasiabiolabs.com](mailto:infoab@abasiabiolabs.com)