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## Datasheet for ABIN7506232 **anti-TOMM34 antibody**

### Overview

Quantity:	0.1 mg
Target:	TOMM34
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TOMM34 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC)

### Product Details

Purpose:	Anti-Hu Tomm34 Purified
Immunogen:	Recombinant human Tomm34
Clone:	Tomm34-4-1
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody Tomm34-4.1 recognizes an epitope within TPR2 domain of human Tomm34 protein.
Purification:	Purified by protein-A affinity chromatography.

### Target Details

Target:	TOMM34
Alternative Name:	Tomm34 ( <a href="#">TOMM34 Products</a> )

## Target Details

**Background:** Translocase of outer mitochondrial membrane 34, Tomm34 (translocase of the outer mitochondrial membrane 34) is an additional component of the cellular chaperone system involved in protein folding. As the name suggests, Tomm34 was initially identified as being involved in mitochondrial protein processing. Subsequent studies have shown that Tomm34 interacts with both Hsp70 and Hsp90 and modifies their protein folding activities. In cancer, high levels of Tomm34 have been reported in bladder, colorectal and breast cancers compared to their normal tissue counterparts. In these cancers, Tomm34 promotes colorectal cancer cell growth and is a biomarker of poor outcome in early invasive breast cancer and bladder cancer. As a tumour-associated protein, Tomm34 peptide vaccination is under investigation as a therapeutic option for colorectal cancer, with significant Tomm34 cytotoxic T-lymphocyte (CTL) response observed., URCC3, HTOM34P

**Gene ID:** 10953

**UniProt:** [Q15785](#)

## Application Details

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

**Restrictions:** For Research Use only

## Handling

**Concentration:** 1 mg/mL

**Buffer:** Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

**Preservative:** Sodium azide

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

**Storage:** 4 °C

**Storage Comment:** Store at 2-8°C. Do not freeze.