

Product Data Sheet

Purified anti-TRIM25

Catalog # / Size: 647601 / 25 µl
647602 / 100 µl

Clone: Poly6476

Isotype: Rabbit IgG

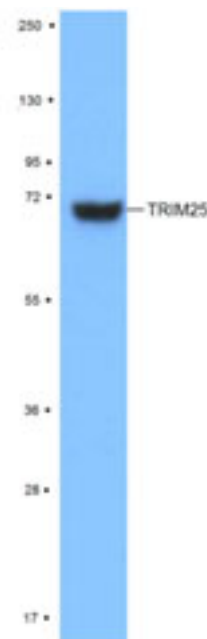
Immunogen: Synthetic peptide

Reactivity: Human, **Cross-Reactivity:** Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20 °C.



HeLa cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with polyclonal anti-TRIM25 antibody (Clone Poly6476). Proteins were visualized using donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, the suggested use of this antibody: use 5 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: The optimal concentration should be determined by titration for each individual assay of interest.

Description: TRIM25, also known as estrogen responsive finger protein (EFP) is a member of the RING finger-B box-coiled coil family, and functions as a ubiquitin ligase. Mice lacking this gene displayed an underdeveloped uterus and reduced estrogen responsiveness demonstrating that this protein is essential for estrogen dependent proliferation. Expression of the gene is upregulated in response to estrogen, and it is thought to mediate estrogen actions in breast cancer as a primary response gene. The presence of potential DNA binding and dimerization transactivation domains suggests that this protein may act as a transcription factor, similar to several other members of the TRIM family. Recent reports have indicated that TRIM25 E3 ubiquitin ligase is essential for the retinoic-acid-inducible gene 1 (RIG-1) signaling pathway to elicit host antiviral innate immunity.

Antigen References:

1. Inoue S, , *et al.* 1993. *Proc. Natl. Acad. Sci. USA* 90:11117.
2. Thomson SD, *et al.* 2001. *Int. J. Cancer* 91:152.
3. Urano T, *et al.* 2002. *Nature* 417:871.
4. Gack MU, *et al.* 2009. *Proc. Natl. Acad. Sci. U S A.* 105:16743.

Related Products: **Product**
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
Poly4064

Application
ELISA, IHC, WB



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