



# Mouse anti-Human ZRP-1 monoclonal antibody, clone 27/ASQ-2 (CABT-B9363)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Human ZRP-1 aa. 103-209
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Human, Rat
<b>Clone</b>	27/ASQ-2
<b>Purification</b>	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	250 µg/ml
<b>Size</b>	50 µg, 150 µg
<b>Buffer</b>	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.
<b>Storage</b>	Store undiluted at -20°C.

## BACKGROUND

<b>Introduction</b>	Zyxin is a zinc-binding metalloprotein found in focal adhesion plaques. It contains a proline-rich
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N-terminal domain and a C-terminal domain containing three LIM domains. LIM domains are characterized as zinc-binding motifs involved in gene expression and protein-protein interactions. Zyxin related protein 1 (ZRP-1) was identified through its interaction with the second PDZ domain of PTP1E. ZRP-1 has also been identified as Thyroid Receptor Interacting Protein-6 (TRIP6) during screening for binding partners of the thyroid hormone receptor. ZRP-1 contains an N-terminal proline-rich region (PRR), and three double zinc finger LIM domains in the C-terminal region. ZRP-1 mRNA has been reported to be widely expressed with strong expression in heart, placenta, lung, liver, kidney, and pancreas. ZRP-1 may interact with focal adhesions similar to other LIM domain proteins in the zyxin-related subfamily. However, ZRP-1 also contains nuclear export signal, and treatment of cells with leptomycin B leads to movement of ZRP-1 from the cytoplasm to the nucleus. Thus, ZRP-1 may be important for relaying signals from focal adhesions to the nucleus.

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**Keywords**

TRIP6; thyroid hormone receptor interactor 6; OIP1; OIP-1; ZRP-1; TRIP-6; TRIP6i2; thyroid receptor-interacting protein 6; zyxin related protein 1; TR-interacting protein 6; OPA-interacting protein 1; thyroid hormone receptor interacting protein 6;

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## GENE INFORMATION

**Entrez Gene ID**

[7205](#)

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**UniProt ID**

[Q15654](#)

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