Data Sheet (Cat.No.TMAB-10534)

Anti-Phospho-Cortactin (Thr466) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 61 kDa. Actual: 61/57 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: Hela (Human) Cell Lysate at 30 μg MCF-7 (Human) Cell Lysate at 30 μg Primary: Anti-phospho-Cortactin (Thr466) (TMAB-10534) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kD Observed band size: 61/57 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated Synthesised phosphopeptide: human Cortactin around the phosphorylation site of Thr466
Antigen Species:	Human
Gene ID:	2017
Uniprot ID:	Q14247

Research Background

This gene is overexpressed in breast cancer and squamous cell carcinomas of the head and neck. The encoded protein is localized in the cytoplasm and in areas of the cell-substratum contacts. This gene has two roles: (1) regulating the interactions between components of adherens-type junctions and (2) organizing the cytoskeleton and cell adhesion structures of epithelia and carcinoma cells. During apoptosis, the encoded protein is degraded in a caspase-dependent manner. The aberrant regulation of this gene contributes to tumor cell invasion and metastasis. Three splice variants that encode different isoforms have been identified for this gene. [provided by RefSeq, May 2010]

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