

## Product datasheet for **TA302747**

### Cortactin (CTTN) Goat Polyclonal Antibody

#### Product data:

|                       |                                                                                                                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:         | Primary Antibodies                                                                                                                                                                                                                                                                               |
| Applications:         | WB                                                                                                                                                                                                                                                                                               |
| Recommended Dilution: | WB: 0.5-2µg/ml.                                                                                                                                                                                                                                                                                  |
| Reactivity:           | Mouse (Expected from sequence similarity: Human, Rat, Dog, Cow)                                                                                                                                                                                                                                  |
| Host:                 | Goat                                                                                                                                                                                                                                                                                             |
| Isotype:              | IgG                                                                                                                                                                                                                                                                                              |
| Clonality:            | Polyclonal                                                                                                                                                                                                                                                                                       |
| Immunogen:            | Peptide with sequence WKASAGHAVSIA-C, from the N Terminus of the protein sequence according to NP_005222.                                                                                                                                                                                        |
| Formulation:          | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.                                                                                                                                                                                                  |
| Concentration:        | lot specific                                                                                                                                                                                                                                                                                     |
| Purification:         | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Conjugation:          | Unconjugated                                                                                                                                                                                                                                                                                     |
| Storage:              | Store at -20°C as received.                                                                                                                                                                                                                                                                      |
| Stability:            | Stable for 12 months from date of receipt.                                                                                                                                                                                                                                                       |
| Gene Name:            | cortactin                                                                                                                                                                                                                                                                                        |
| Database Link:        | <a href="#">NP_005222</a><br><a href="#">Entrez Gene 13043 Mouse</a> <a href="#">Entrez Gene 60465 Rat</a> <a href="#">Entrez Gene 610283 Dog</a> <a href="#">Entrez Gene 2017 Human</a><br><a href="#">Q14247</a>                                                                               |



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**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. Two splice variants that encode different isoforms have been identified for this gene. [provided by RefSeq]

**Synonyms:**

EMS1

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Pathogenic Escherichia coli infection, Tight junction

**Product images:**

TA302747 staining (0.5ug/ml) of A431 lysate (RIPA buffer, 35ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.