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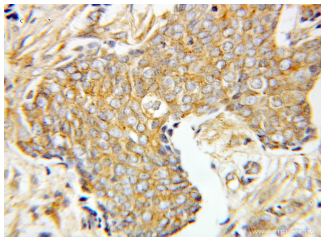
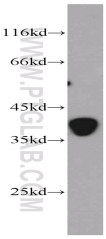
# CLTA Polyclonal Antibody

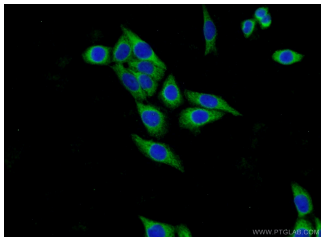
**Catalog number: 10852-1-AP**
**Size: 71 µg/150 µl**
**Source: Rabbit**
**Isotype: IgG**
**Synonyms:**
**CLTA; Clathrin light chain A, clathrin, light chain (Lca), CLTA, LCA**



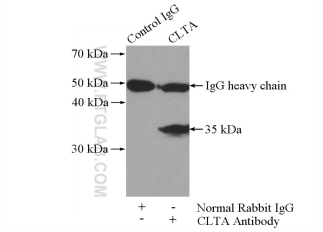
**Immunohistochemical of paraffin-embedded human breast cancer using 10852-1-AP(CLTA antibody) at dilution of 1:100 (under 10x lens)**




**mouse brain tissue were subjected to SDS PAGE followed by western blot with 10852-1-AP(CLTA antibody) at dilution of 1:800**



**Immunofluorescent analysis of HeLa cells using 10852-1-AP( CLTA Antibody) at dilution of 1:50 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)**




**IP Result of anti-CLTA (IP:10852-1-AP, 4ug;**

## Background

**Clathrin is the major protein of the polyhedral coat of coated pits and vesicles which entrap specific macromolecules during receptor-mediated endocytosis. The clathrin molecule has a triskelion shape. Each clathrin triskelion is composed of three identical heavy chains (180 kDa) and three light chains of two types, LCA (CLTA) and LCB (CLTB) (30-40 kDa). The light chain subunits are thought to regulate the formation or disassembly of clathrin coats. (PMID: 2445759; 8374173; 3563513)**

## Applications

| | |
|---|---|
| **Tested applications:** | **ELISA, WB, IHC, IP, IF** |
| **Cited applications:** | **IF, IHC, IP, WB** |
| **Species specificity:** | **Human,Mouse,Rat; other species not tested.** |
| **Cited species:** | **Human, rat** |
| **Caculated CLTA MW:** | **27 kDa** |
| **Observed CLTA MW:** | **35-38 kDa** |
| **Positive WB detected in** | **Mouse brain tissue, HEK-293 cells** |
| **Positive IP detected in** | **Mouse brain tissue** |
| **Positive IHC detected in** | **Human breast cancer tissue** |
| **Positive IF detected in** | **HeLa cells, HEK-293 cells** |
| **Recommended dilution:** | **WB: 1:200-1:2000**<br>**IP: 1:200-1:2000**<br>**IHC: 1:20-1:200**<br>**IF: 1:20-1:200** |

**Application key: WB = Western blotting, IHC= Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation**

## Immunogen information

| | |
|---|---|
| **Immunogen:** | **Ag1299** |
| **GenBank accession number:** | **BC019287** |
| **Gene ID (NCBI):** | **1211** |
| **Full name:** | **Clathrin, light chain (Lca)** |

## Product information

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|---|---|
| **Purification method:** | **Antigen affinity purification** |
| **Storage:** | **PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.** |

**Detection:10852-1-AP 1:800)**
**with mouse brain tissue lysate**
**4000ug.**