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# Anti-Ataxin 1 (Phospho-S775) Antibody

Catalog # AP60430

## Product Information

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|---|---|
| **Application** | WB, IHC, IF/IC |
| **Primary Accession** | P54253 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 86923 |

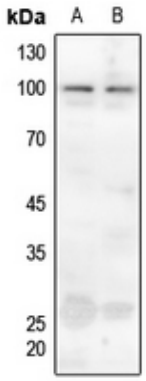
## Additional Information

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|---|---|
| **Gene ID** | 6310 |
| **Other Names** | ATX1; SCA1; Ataxin-1; Spinocerebellar ataxia type 1 protein |
| **Target/Specificity** | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S775 of human Ataxin 1 protein. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

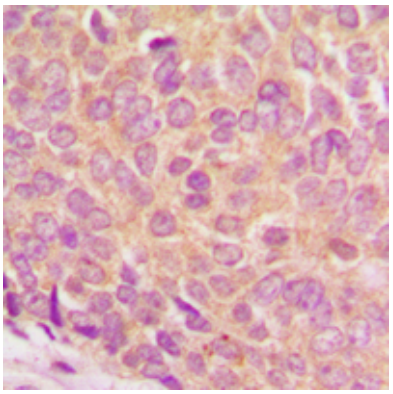
## Protein Information

| | |
|---|---|
| **Name** | ATXN1 |
| **Synonyms** | ATX1, SCA1 |
| **Function** | Chromatin-binding factor that repress Notch signaling in the absence of Notch intracellular domain by acting as a CBF1 corepressor. Binds to the HEY promoter and might assist, along with NCOR2, RBPJ- mediated repression. Binds RNA in vitro. May be involved in RNA metabolism (PubMed:21475249). In concert with CIC and ATXN1L, involved in brain development (By similarity). |
| **Cellular Location** | Cytoplasm. Nucleus Note=Colocalizes with USP7 in the nucleus |
| **Tissue Location** | Widely expressed throughout the body. |

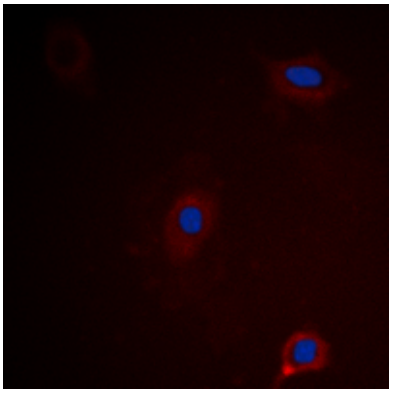
## Images



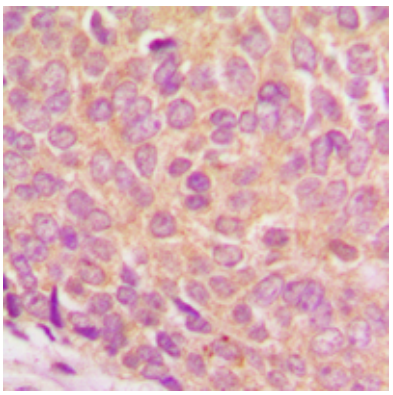

Western blot analysis of Ataxin 1 (Phospho-S775) expression in HGC27 (A), mouse lung (B) whole cell lysates. (Predicted band size: 86 kD; Observed band size: 105 kD)



Immunohistochemical analysis of Ataxin 1 (Phospho-S775) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Ataxin 1 (Phospho-S775) staining in HEK293 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of Ataxin 1 (pS775) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.