

ARG51825 anti-Paxillin phospho (Tyr88) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

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|---------------------|---|
| Product Description | Rabbit Polyclonal antibody recognizes Paxillin phospho (Tyr88) |
| Tested Reactivity | Hu |
| Tested Application | ICC/IF, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Paxillin |
| Species | Human |
| Immunogen | Peptide sequence around phosphorylation site of tyrosine 88 (P-V-Y(p)-G-S) derived from Human Paxillin. |
| Conjugation | Un-conjugated |
| Alternate Names | Paxillin |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------------|
| | ICC/IF | 1:100 - 1:200 |
| | WB | 1:500 - 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

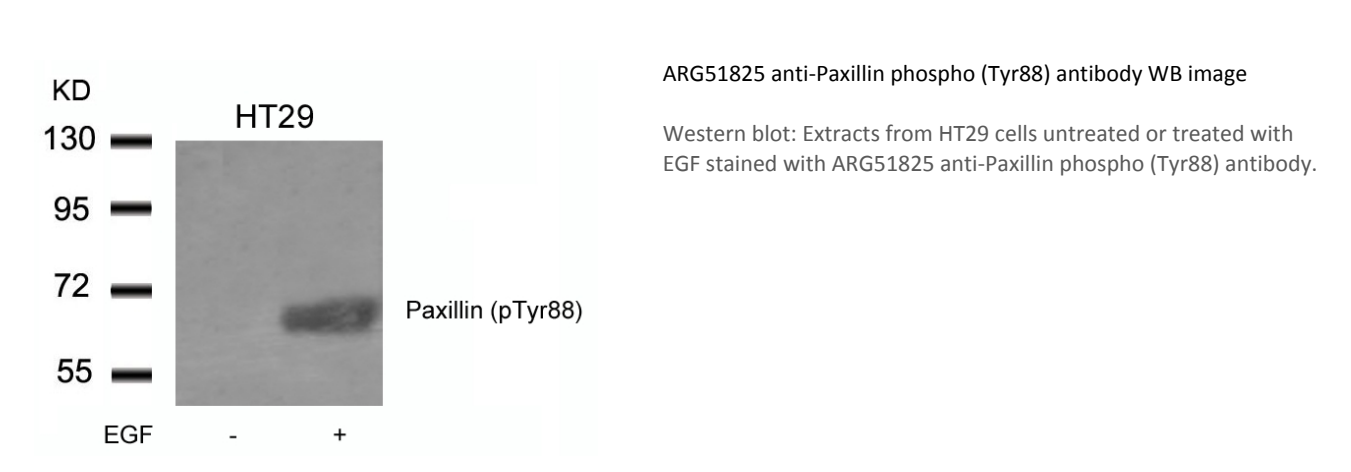
Properties

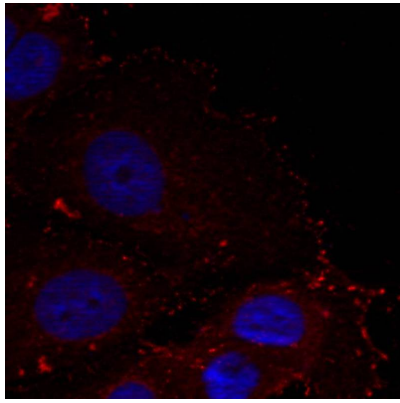
| | |
|---------------------|---|
| Form | Liquid |
| Purification | Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Buffer | PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol. |
| Preservative | 0.02% Sodium azide |
| Stabilizer | 50% Glycerol |
| Concentration | 1 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

Bioinformation

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|----------------|---|
| Database links | GeneID: 5829 Human Swiss-port # P49023 Human |
| Gene Symbol | PXN |
| Gene Full Name | paxillin |
| Background | An antiphosphotyrosine antibody was used to identify proteins that are phosphorylated in Rous sarcoma virus-transformed chick embryo fibroblasts, and a 76-kD protein was obtained that localizes to focal adhesions at the ends of actin-containing stress fibers in nontransformed cells (Ref.1). This protein was purified from chicken gizzard smooth muscle, and was named Pxn (Paxillin) ('paxillus' means 'small stake' or 'peg' in Latin) as a protein tethered to the membrane at focal adhesions |
| Function | Cytoskeletal protein involved in actin-membrane attachment at sites of cell adhesion to the extracellular matrix (focal adhesion). [UniProt] |
| Research Area | Cancer antibody; Signaling Transduction antibody |
| Calculated Mw | 61/65/66 kDa (Isoform alpha/beta/gamma) |
| PTM | Phosphorylated by MAPK1/ERK2 (By similarity). Phosphorylated on tyrosine residues during integrin-mediated cell adhesion, embryonic development, fibroblast transformation and following stimulation of cells by mitogens. Phosphorylation at Ser-244 by CDK5 reduces its interaction with PTK2/FAK1 in matrix-cell focal adhesions (MCFA) during oligodendrocytes (OLs) differentiation. Phosphorylation at Tyr-31 and Tyr-118 by PTK6 promote the activation of RAC1 via CRK/CrKII, thereby promoting migration and invasion. Phosphorylation at Ser-250 by SLK is required for PXN redistribution and cell motility (PubMed:23128389). |

Images





ARG51825 anti-Paxillin phospho (Tyr88) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51825 anti-Paxillin phospho (Tyr88) antibody.