

Product datasheet for **AP12135PU-N**

ARL3 (C-term) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100. |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human ARL3. |
| Specificity: | This antibody is specific to ARL3 (C-term). |
| Formulation: | PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction. |
| Concentration: | lot specific |
| Purification: | Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | ADP ribosylation factor like GTPase 3 |
| Database Link: | Entrez Gene 403 Human P36405 |



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Background:

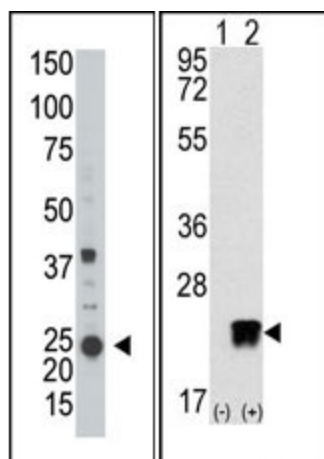
ADP-ribosylation factors (ARFs) are low molecular weight GTP-binding proteins belonging to the RAS superfamily. The predicted 182-amino acid ARL3 (ADP-ribosylation like factor) protein shares 97% amino acid identity with rat ARL3 and 43% identity with human ARF1. Like the ARFs, ARL3 has a glycine at position 2, the site of N myristoylation, and lacks cysteine residues near the C terminus, which are found in other members of the RAS family. Northern blot analysis detected a 1-kb ARL3 transcript in all tissues tested, with highest expression in heart and lung, and lower expression in brain, liver, kidney, ovary, and testis. A 5.5-kb transcript was also detected in most tissues, with highest expression in brain. Immunoblot analysis detected ARL3 in human tumor cell lines but not in normal rodent cells. Although ARL3 binds GTP, it is devoid of activity in the cholera toxin-dependent ADP-ribosylation of Gs, and is therefore classified as an ARF-like protein.

Synonyms:

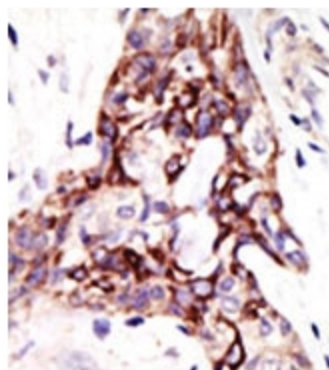
ARFL3

Note:

Predicted Molecular weight: 20455 Da

Product images:


(LEFT) Western blot analysis of anti-ARL3 in A2058 cell line lysate (35 ug/lane). ARL3 (arrow) was detected using the purified Pab. (RIGHT) Western blot analysis of ARL3 (arrow) using rabbit polyclonal ARL3 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ARL3 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.