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# Anti-SLC10A4 Antibody

Catalog # AP54105

## Product Information

| | |
|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | Q96EP9 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 46504 |

## Additional Information

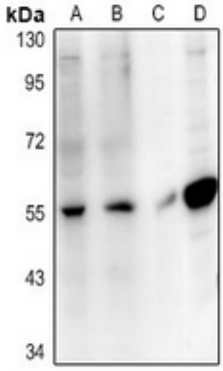
| | |
|---|---|
| **Gene ID** | 201780 |
| **Other Names** | Sodium/bile acid cotransporter 4; Na(+)/bile acid cotransporter 4; Solute carrier family 10 member 4 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SLC10A4. The exact sequence is proprietary. |
| **Dilution** | WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 |
| **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

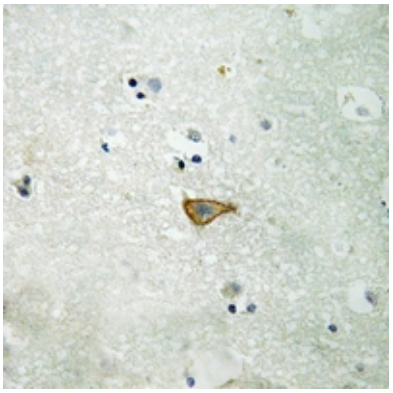
| | |
|---|---|
| **Name** | SLC10A4 ( HGNC:22980) |
| **Function** | No significant bile acid transporter activity could be measured despite its similarity to bile acid:sodium symporters. |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein |
| **Tissue Location** | Highly expressed in brain and small intestine, and moderately expressed in colon, heart, prostate, and testis. Very low levels were detected in kidney, liver, ovary, placenta, spleen, and thymus. |

## Images

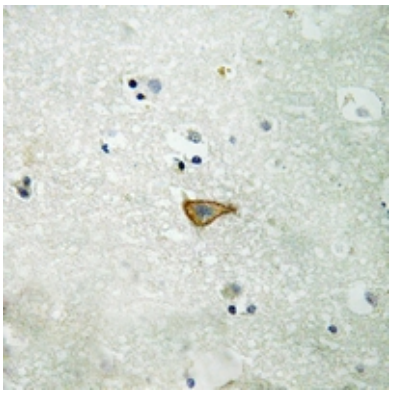
Western blot analysis of SLC10A4 expression in U87MG




(A), PC3 (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 46 kD; Observed band size: 55 kD)



Immunohistochemical analysis of SLC10A4 staining in human brain 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.



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