

UMPS Polyclonal Antibody

catalog number: E-AB-52440

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

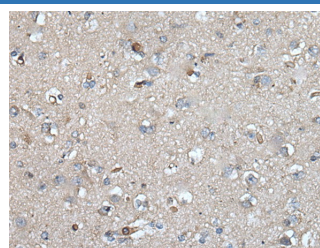
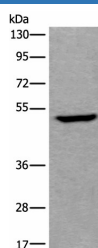
| | |
|---------------------|------------------------------------------------------------------------------------|
| Reactivity | Human;Mouse |
| Immunogen | Fusion protein of human UMPS |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Antigen affinity purification |
| Conjugation | Unconjugated |
| buffer | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

Applications

Recommended Dilution

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|------------|--------------|
| WB | 1:500-1:2000 |
| IHC | 1:30-1:150 |

Data



Western blot analysis of Human fetal liver tissue lysate using UMPS Polyclonal Antibody at dilution of 1:400
Observed-MV: Refer to figures
Calculated-MV: 52 kDa

Immunohistochemistry of paraffin-embedded Human brain tissue using UMPS Polyclonal Antibody at dilution of 1:40 (x200)

Preparation & Storage

| | |
|-----------------|----------------------------------------------------------------------------------------------------------|
| Storage | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| Shipping | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

Background

This gene encodes a uridine 5'-monophosphate synthase. The encoded protein is a bifunctional enzyme that catalyzes the final two steps of the de novo pyrimidine biosynthetic pathway. The first reaction is carried out by the N-terminal enzyme orotate phosphoribosyltransferase which converts orotic acid to orotidine-5'-monophosphate. The terminal reaction is carried out by the C-terminal enzyme OMP decarboxylase which converts orotidine-5'-monophosphate to uridine monophosphate. Defects in this gene are the cause of hereditary orotic aciduria. Alternate splicing results in multiple transcript variants.

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