Product name: Anti-Folate Binding Protein antibody [LK26] ab3361

Description: Mouse monoclonal [LK26] to Folate Binding Protein

Host species: Mouse

Tested applications: Suitable for: IHC-Fr, IP, Flow Cyt, ICC/IF, WB

Species reactivity: Reacts with: Human

Immunogen: Gestational choriocarcinoma cell line, Lu-75.

Positive control: Frozen Placenta or Ovarian Carcinoma (Negative control: Mouse serum or IgG1 isotype-matched negative control antibody, diluted to the same concentration as the primary antibody, should also be included in each run.)

Form: Liquid

Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer: Constituent: 1% BSA

Purity: IgG fraction

Clonality: Monoclonal

Clone number: LK26

Isotype: IgG2a

Overview

Properties

Applications

Our Abpromise guarantee covers the use of ab3361 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Function
Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate to the interior of cells.

Tissue specificity
Exclusively expressed in tissues of epithelial origin. Expression is increased in malignant tissues. Expressed in kidney, lung and cerebellum.

Involvement in disease
Defects in FOLR1 are the cause of neurodegeneration due to cerebral folate transport deficiency (NCFTD) [MIM:613068]. NCFTD is an autosomal recessive disorder resulting from brain-specific folate deficiency early in life. Onset is apparent in late infancy with severe developmental regression, movement disturbances, epilepsy, and leukodystrophy. Note=Recognition and diagnosis of this disorder is critical because folinic acid therapy can reverse the clinical symptoms and improve brain abnormalities and function.

Sequence similarities
Belongs to the folate receptor family.

Post-translational modifications
Eight disulfide bonds are present.

Cellular localization
Cell membrane. Secreted.

Images

ab3361 staining frozen placenta in IHC-F.

Immunohistochemistry (Frozen sections) - Anti-Folate Binding Protein antibody [LK26] (ab3361)
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