Dyrk1A (Q39) polyclonal antibody

Catalog: BCP00677 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Dyrk (for dual specificity tyrosine phosphorylation regulated kinase) is the homolog of the Drosophila mnb (minibrain) gene, which is required for neurogenesis. Dyrk is a dual-specificity tyrosine kinase and serine/threonine kinase, which is itself regulated by tyrosine phosphorylation. Several mammalian Dyrk related proteins have been identified and are thought to compose a family of dual specificity protein kinases. Dyrk family members, including Dyrk1A (originally Dyrk), Dyrk1B, Dryk1C, Dyrk2, Dyrk3, Dyrk4A and Dyrk4B, are thought to be involved in diverse cellular functions. Dyrk1A is a candidate gene that may be involved in Downs syndrome, and it has been found to be somewhat overexpressed in Downs syndrome.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 90 kDa

Swiss-Prot:

Q13627

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

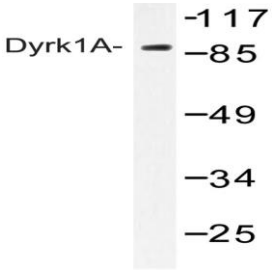
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Dyrk1A (Q39) polyclonal antibody detects endogenous levels of Dyrk1A protein.

DATA:



Western blot (WB) analysis of Dyrk1A (Q39) pAb at 1:500 dilution

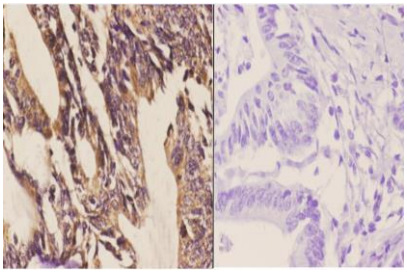
Lane1:Hela whole cell lysate(20ug)

Lane2:MCF-7 whole cell lysate(10ug)

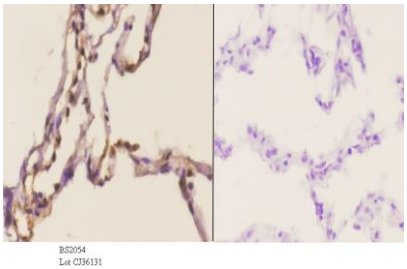
Lane3:A549 whole cell lysate(40ug)

Lane4:H9C2 whole cell lysate(40ug)

Lane5:MEF whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Dyrk1A (Q39) pAb in paraffin-embedded human colon carcinoma tissue at 1:50.showing cytoplasmic and nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of Dyrk1A (Q39) pAb in paraffin-embedded human lung carcinoma tissue at 1:50.showing cytoplasmic and nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

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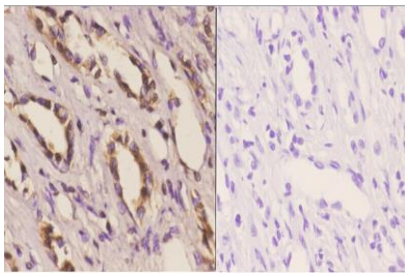

Immunohistochemistry (IHC) analyzes of Dyrk1A (Q39) pAb in paraf-fin-embedded human kidney carcinoma tissue at 1:50.showing cyto-plasmic and nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.