

Anti-DYDC2 Antibody (9H835)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9H835
Purification:	Protein A

Applications

Verified Activity:	Immunofluorescence staining of Human DYDC2 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human DYDC2 monoclonal antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nucleus.
Application:	ICC/IF
Recommended	ICC-IF: 1:20-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human DPY30 domain containing 2 / DYDC2 Protein (TMPY-02957)
Antigen Species:	Human
Synonyms:	DPY30 domain containing 2

Research Background

DPY30 domain containing 2 belongs to the dpy-30 family. Dumpy-30 family members act as determinants of male fertility and interaction partners of metal-responsive transcription factor 1 (MTF-1) in *Drosophila*. MTF-1 plays a key role in transition metal detoxification and homeostasis. It binds to metal response elements (MREs). Two candidate dMTF-1 interactors are related to the small regulatory protein Dumpy-30 (Dpy-30) of the worm *C. elegans*. Dpy-30 is the founding member of a protein family involved in chromatin modifications, notably histone methylation. Mutants affect mating type in yeast and male mating in *C. elegans*. As part of the MLL1/MLL complex, DPY30 domain containing 2 is involved in methylation and dimethylation at 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. DPY30 domain containing 2 may also play an indirect or direct role in endosomal transport.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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