

NT5E/CD73 Polyclonal Antibody

Catalog number: 12231-1-AP

Size: 36 µg/150 µl

Source: Rabbit

Isotype: IgG

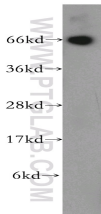
Synonyms:

NT5E; 5 NT, 5 nucleotidase, 5' nucleotidase, ecto (CD73),

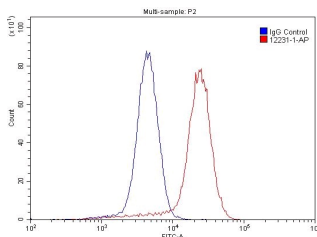
CD73, E5NT, Ecto 5

nucleotidase, eN, eNT, NT, NT5,

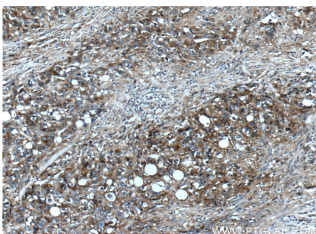
NT5E, NTE



Jurkat cells were subjected to SDS PAGE followed by western blot with 12231-1-AP(NT5E,CD73 antibody) at dilution of 1:400



1X10⁶ NCCIT cell were stained with 0.2µg NT5E,CD73 antibody (12231-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



Immunohistochemistry of paraffin-embedded human stomach cancer tissue slide using 12231-1-AP(NT5E,CD73 Antibody) at dilution of 1:500 (under 10x lens).

Background

NT5E(5'-nucleotidase) is also named as NT5, NTE,CD73,ecto-5'-nucleotidase, and belongs to the 5'-nucleotidase family. It catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP.The enzyme occurs mainly as a dimer and the wide distribution of NT5E in the rat hippocampus, suggesting their involvement in the control of the purinergic signaling(PMID:17619139). This protein has two isoforms with the molecular weight of 63 kDa and 58 kDa and four glycosylation sites with a signalpeptide. It can exist as a dimer(PMID:17619139). It can be detected the band of 55 kDa,64 kDa, 70 kDa, 110 kDa by western blot(PMID:17619139; 12370277; 21533188). Defects in NT5E are the cause of calcification of joints and arteries (CALJA).

Applications

| | |
|--------------------------|--|
| Tested applications: | ELISA, WB, FC, IHC |
| Species specificity: | Human, Mouse, Rat; other species not tested. |
| Calculated NT5E/CD73 MW: | 29 kDa;63 kDa |
| Observed NT5E/CD73 MW: | 63 kDa |
| Positive WB detected in | Jurkat cells, A375 cells, human spleen tissue, K-562 cells, mouse brain tissue, rat brain tissue |
| Positive IHC detected in | Human stomach cancer tissue |
| Positive FC detected in | NCCIT cell |
| Recommended dilution: | WB: 1:500-1:5000 IHC: 1:50-1:500 FC: N/A |

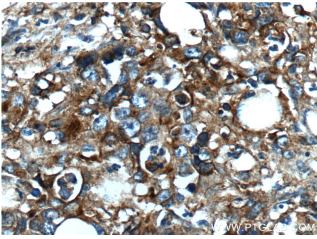
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

| | |
|---------------------------|------------------------------|
| Immunogen: | Ag2869 |
| GenBank accession number: | BC015940 |
| Gene ID (NCBI): | 4907 |
| Full name: | 5'-nucleotidase, ecto (CD73) |

Product information

| | |
|----------------------|---|
| Purification method: | Antigen affinity purification |
| Storage: | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C. |



Immunohistochemistry of paraffin-embedded human stomach cancer tissue slide using 12231-1-AP (NT5E,CD73 Antibody) at dilution of 1:500 (under 40x lens).