



NT5E Polyclonal Antibody

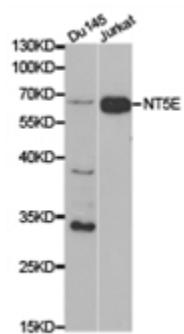
E92029

- Catalog Number:** E92029
- Amount:** 100ul
- Background:** Ecto-5'nucleotidase (NT5E, also called CD73) is a 70 kDa glycosyl phosphatidylinositol-anchored membrane-bound glycoprotein that catalyzes the hydrolysis of extracellular nucleoside monophosphates into bioactive nucleoside (1). NT5E catalyzes the terminal step of extracellular adenosine formation from adenosine-monophosphate, therefore driving the regulation of extracellular adenosine levels and the downstream activation of the four G protein-coupled adenosine receptors (2). Binding of hypoxia-inducible factor (HIF-1) to the NT5E gene promotor leads to upregulation of NT5E during hypoxia (3). NT5E biological roles span from lymphocyte adhesion (4,5), to fibrosis (6), to regulation of nociception (7,8).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** CD73; E5NT; NT; NT5; NTE; eN; Ent;
- Immunogen:** Recombinant protein of human NT5E
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 63kDa
- Swiss-Prot No. :** P21589
- Gene ID:** 4907
- References:** 1. Le Hir, M. and Kaissling, B. (1993) Am J Physiol 264, F377-87. 2. Schulte, G. and Fredholm, B.B. (2003) Cell Signal 15, 813-27. 3. Synnestvedt, K. et al. (2002) J Clin Invest 110, 993-1002. 4. Arvilommi, A.M. et al. (1997) Eur J Immunol 27, 248-54. 5. Airas, L. and Jalkanen, S. (1996) Blood 88, 1755-64. 6. Peng, Z. et al. (2008) Nucleosides Nucleotides Nucleic Acids 27, 821-4. 7. Sowa, N.A. et al. (2010) J Neurosci 30, 2235-44. 8. Zylka, M.J. (2011) Trends Mol Med 17, 188-96.

For Research Use Only

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of various celllines,
using NT5E antibody.