

ME3 (R576) polyclonal antibody

Catalog: BS3339

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

ME3 (malic enzyme 3), also known as NADP-ME (NADP-dependent malic enzyme, mitochondrial), is a 604 amino acid protein of the mitochondrial matrix that catalyzes the conversion of (S)-malate and NADP⁺ to pyruvate, carbon dioxide and NADPH. A member of the malic enzymes family, ME3 utilizes manganese and magnesium as cofactors and is expressed in tissues that divide at a low rate. The gene encoding ME3 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 67 kDa

Swiss-Prot:

Q16798

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

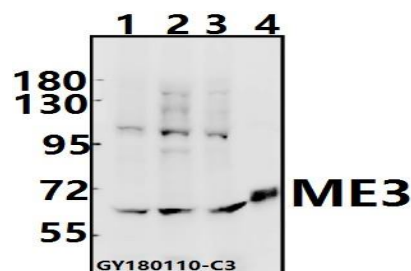
Storage&Stability:

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

Specificity:

ME3 (R576) polyclonal antibody detects endogenous levels of ME3 protein.

DATA:



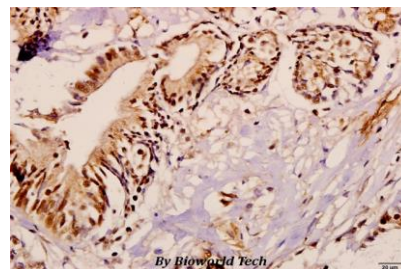
Western blot (WB) analysis of ME3 (R576) pAb at 1:500 dilution

Lane1: Panc1 whole cell lysate(40ug)

Lane2: A549 whole cell lysate(40ug)

Lane3: C6 whole cell lysate(40ug)

Lane4: The Testis tissue lysate of Mouse(10ug)



Immunohistochemistry (IHC) analyzes of ME3 (R576) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

Note:

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

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