

NDUFB11 Polyclonal Antibody

catalog number: E-AB-52254

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

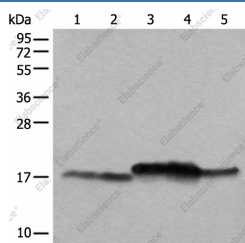
Reactivity	Human;Mouse
Immunogen	Full length fusion protein
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

WB	1:1000-1:5000
IHC	1:50-1:300

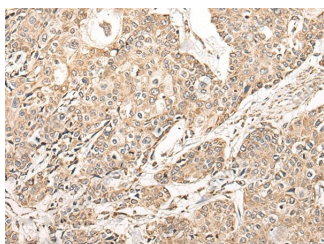
Data



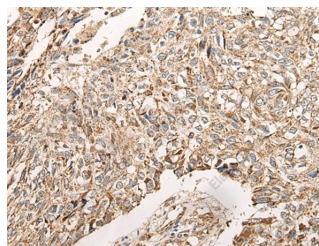
Western blot analysis of Mouse brain tissue Mouse liver tissue 231 cell K562 cell A431 cell lysates using NDUFB11 Polyclonal Antibody at dilution of 1:1000

Observed-MW: Refer to figures

Calculated-MW: 17 kDa



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using NDUFB11 Polyclonal Antibody at dilution of 1:95(×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using NDUFB11 Polyclonal Antibody at dilution of 1:95(×200)

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

For Research Use Only

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Rev. V1.8

Complex 1 (also known as NADH dehydrogenase) of the electron transport chain (respiratory chain) is an enzymatic complex that catalyzes the transfer of electrons from NADH to ubiquinone. Free energy from the reaction is conserved in the transfer of protons into the intermembrane space to create an electrochemical proton gradient, a driving force for ATP synthesis. Complex 1 is a complicated, multi-protein, L-shaped complex composed of at least 45 different subunits and located in the mitochondrial inner membrane. NDUFB11 (NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 11), also known as ESSS, Np15, Np17.3 (neuronal protein 17.3) or p17.3, is a hydrophobic transmembrane protein belonging to the Complex I NDUFB11 subunit family. Ubiquitously expressed, NDUFB11 localizes to the inner membrane of the mitochondrion and functions as an accessory subunit of Complex I. The cAMP-dependent phosphorylation of NDUFB11 is important for the regulation of Complex I activity.