

NAA10 Polyclonal Antibody

Catalog No: #42070



Package Size: #42070-1 50ul #42070-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

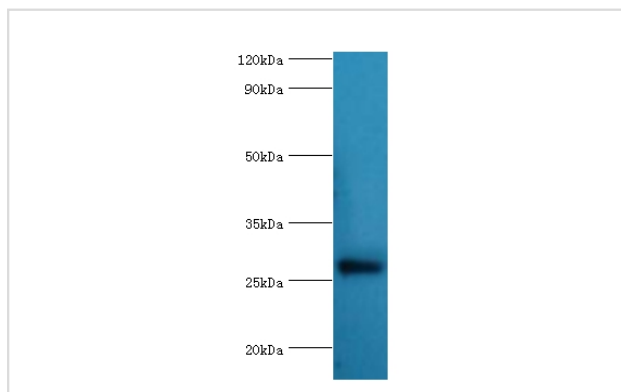
Product Name	NAA10 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total NAA10 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human N-alpha-acetyltransferase 10 protein(161-235aa)
Target Name	NAA10
Other Names	N-alpha-acetyltransferase 10, N-terminal acetyltransferase complex ARD1 subunit homolog A, NatA catalytic subunit Naa10, NAA10, ARD1, ARD1A, TE2
Accession No.	Swiss-Prot#: P41227
Calculated MW	26kd
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

Application Details

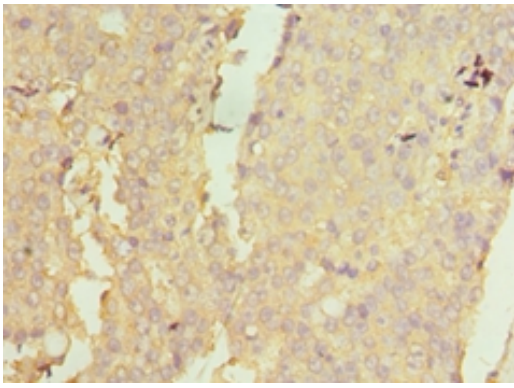
Western blotting: □ 1:500 - 1:5000

Immunohistochemistry: 1:20 - 1:200

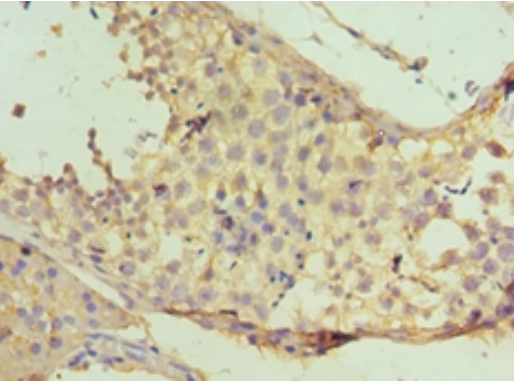
Images



All lanes: N-alpha-acetyltransferase 10 antibody at 5ug/ml+Hela whole cell lysate
 secondary
 Goat polyclonal to rabbit at 1/10000 dilution
 predicted band size :26kDa
 observed band size :26kDa



Immunohistochemical analysis of paraffin-embedded human rectal cancer using #42070 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human testicle using #42070 at dilution of 1:100.

Background

Catalytic subunit of the N-terminal acetyltransferase A (Naa101) complex which displays alpha (N-terminal) acetyltransferase activity. The NAT activity may be important for vascular, hematopoietic and neuronal growth and development. Without NAA15, displays epsilon (internal) acetyltransferase activity towards HIF1A, thereby promoting its degradation. Represses MYLK kinase activity by acetylation, and thus represses tumor cell migration. Acetylates, and stabilizes TSC2, thereby repressing mTOR activity and suppressing cancer development.

References

[1]Using VAAST to identify an X-linked disorder resulting in lethality in male infants due to N-terminal acetyltransferase deficiency."Rope A.F., Wang K., Evjenth R., Xing J., Johnston J.J., Swensen J.J., Johnson W.E., Moore B., Huff C.D., Bird L.M., Carey J.C., Opitz J.M., Stevens C.A., Jiang T., Schank C., Fain H.D., Robison R., Dalley B. Lyon G.J. Am. J. Hum. Genet. 89:28-43(2011). [2]A splice donor mutation in NAA10 results in the dysregulation of the retinoic acid signalling pathway and causes Lenz microphthalmia syndrome." Esmailpour T., Riazifar H., Liu L., Donkervoort S., Huang V.H., Madaan S., Shoucri B.M., Busch A., Wu J., Towbin A., Chadwick R.B., Sequeira A., Vawter M.P., Sun G., Johnston J.J., Biesecker L.G., Kawaguchi R., Sun H., Kimonis V., Huang T.J. Med. Genet. 51:185-196(2014). [3]System-wide temporal characterization of the proteome and phosphoproteome of human embryonic stem cell differentiation."Rigbolt K.T., Prokhorova T.A., Akimov V., Henningsen J., Johansen P.T., Kratchmarova I., Kassem M., Mann M., Olsen J.V., Blagoev B.Sci. Signal. 4:RS3-RS3(2011).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.