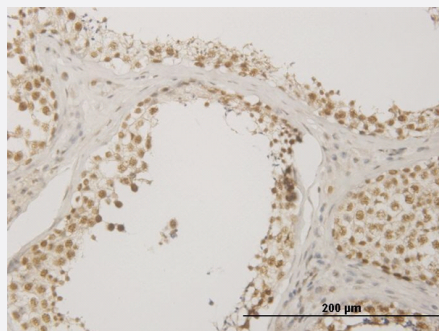


NUDT21 monoclonal antibody (M12), clone 3F8

Catalog # H00011051-M12

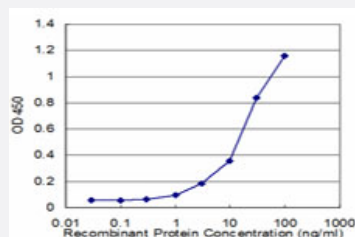
Size 100 ug

Applications



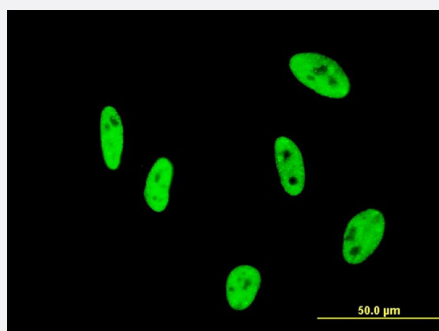
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NUDT21 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]



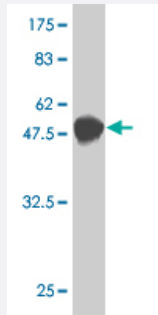
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUDT21 is approximately 3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to NUDT21 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (50.71 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant NUDT21.
Immunogen	NUDT21 (AAH01403, 1 a.a. ~ 227 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSVPPNRSQTGWPRGVTQFGNKYQQTKPLTLERTINLYPLTNYTFGTKEPLYEKDSSVAARFQR MREEFDKIGMRRTVEGLVHEHRLPHVLLQLGTTFFKLPGGELNPGEDEVEGLKRLMTEILGRQ DGLQDWVIDDCIGNWWRPNFEPQYPYIPAHITKPKEHKKLFLVQLQEKALFAVPKNYKLVAAPL FELYDNAPGYGPIISSLPQLLSRFNFIYN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (50.71 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to NUDT21 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NUDT21 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to NUDT21 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — NUDT21

Entrez GeneID [11051](#)

GeneBank Accession# [BC001403](#)

Protein Accession# [AAH01403](#)

Gene Name NUDT21

Gene Alias CFIM25, CPSF5, DKFZp686H1588

Gene Description nudix (nucleoside diphosphate linked moiety X)-type motif 21

Omim ID [604978](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of the protein with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors. This gene encodes the 25kD subunit of the protein complex, which is composed of four polypeptides. [provided by RefSeq]

Other Designations cleavage and polyadenylation specific factor 5|cleavage and polyadenylation specific factor 5, 25 kD subunit|cleavage and polyadenylation specific factor 5, 25 kDa|pre-mRNA cleavage factor Im (25kD)|pre-mRNA cleavage factor Im, 25kD subunit

Publication Reference

- [NUDT21 regulates circRNA cyclization and ceRNA crosstalk in hepatocellular carcinoma.](#)

Li X, Ding J, Wang X, Cheng Z, Zhu Q.

Oncogene 2019 Sep; [Epub].

Application: EWB-Tr, Human, Bel-7402, HepG2 cells

- [NUDT21 regulates 3'-UTR length and microRNA-mediated gene silencing in hepatocellular carcinoma.](#)

Sun M, Ding J, Li D, Yang G, Cheng Z, Zhu Q.

Cancer Letters 2017 Sep; 410:158.

Application: IF, WB-Ti, Human, HepG2, hepatocytes, Human hepatocellular carcinoma