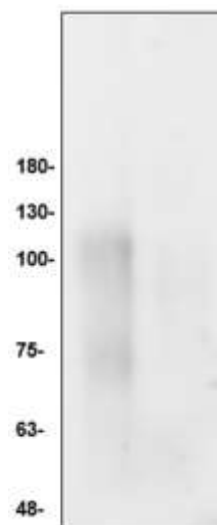


7-Methylguanosine Antibody

CATALOG NO:	6655-30T 30 µg (Trial size) 6655-100 100 µg
ALTERNATE NAME:	m7G
CONCENTRATION:	1 mg/ml
IMMUNOGEN:	This antibody is generated from rabbits immunized with a BSA conjugated 7-Methylguanosine
INTERNAL ID:	BV-N11-12
HOST:	Rabbit
SPECIES REACTIVITY:	7-Methylguanosine in wide species of mammals.
PURIFICATION:	This antibody is purified through a protein A column, followed by immunogen affinity purification.
FORMULATION:	Supplied in PBS (prepared using DEPC-treated water) with 0.09% (W/V) sodium azide.
STORAGE CONDITIONS:	Store at -20° C. For long term storage, aliquot and freeze at -70° C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	7-Methylguanosine (m7G) is a modified purine nucleobase. It is a methylated version of guanosine and when found in human urine; it may be a biomarker of some types of cancer. It also plays a role in RNA as blocking group at its 5'-end. 7-Methylguanosine may be used to characterize and study the metabolism of naturally occurring methylated guanosines in RNAs.
SPECIFICITY:	The antibody is very specific for 7-Methylguanosine. It does not cross-react with guanosine as demonstrated by the Western blot.
APPLICATION:	Western blot: 1-4 µg/ml. Dot Blot, Chromatin Immunoprecipitation (ChIP), RNA Binding Protein Immunoprecipitation (RIP)
	Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot analysis by Anti-m7G

Lane 1-7-Methylguanosine conjugated with BSA - 3 ng
Lane 2- Guanosine conjugated with BSA - 3 ng

RELATED PRODUCTS:

- Adenosine Antibody (Cat # 6652-100)
- N6-Methyladenosine Antibody (Cat # 6653-100)
- Guanosine antibody (Cat # 6654-100)
- 8-Br-cGMP (Cat # 1838-5, -25)
- cGMP Antibody (Cat # 3568-100)
- cGMP Direct Immunoassay Kit (Colorimetric) (Cat # K372-100)
- cAMP Antibody (Cat # 3567-100)
- 8-Br-cAMP (Cat # 1837-5, -25)
- cAMP Direct Immunoassay Kit (Colorimetric) (Cat # K371-100)
- ATP Colorimetric/Fluorometric Assay Kit (Cat # K354-100)
- ADP Colorimetric/Fluorometric Assay Kit (Cat # K355-100)
- ApoSENSOR™ ADP/ATP Ratio Bioluminescence Assay Kit (Cat # K255-100)
- ApoSENSOR™ ATP Cell Viability Bioluminescence Assay Kit (Cat # K254-200)
- ATP Solution (100 mM) (Cat # 2121-100)

FOR RESEARCH USE ONLY. Not to be used on humans.