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Catalog No.CBX00469

Mouse monoclonal antibody Anti-Human POLR2G

■ Formulation

Mouse monoclonal anti-human **POLR2G** antibody in PBS (3.0 mM KCl, 1.5 mM KH₂PO₄, 140 mM NaCl, 8.0 mM Na₂HPO₄ (pH 7.4)) containing 1% bovine serum albumin (BSA) and 0.05% sodium azide (NaN₃).

Antibody concentration

 $100 \, \mu g/ml \, (1.0 \, ml)$

■Storage

Store at 2-8°C for up to one year. We recommend storing at -20°C for long-term storage. Avoid repeat freezing and thawing cycles.

Preparation

This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.

Sterility

Filtered through a 0.22 µm membrane.

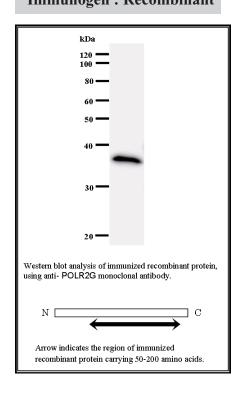
Applications

WB, Dot Blot, FC

Disposal

This antibody solution contains sodium azide (NaN₃) as a preservative. There is a potential hazard that NaN₃ reacts with copper or lead to produce an explosive compound. For safe disposal, the vial has to be washed thoroughly with water.

Lot No. 2781C2a-1 Clone No. 2781C2a Antibody class: IgG1 Immunogen: Recombinant



■ Safety warnings and precautions

Caution must be taken to avoid contact with skin or eyes. In such a case, rinse thoroughly at once with water. Do not ingest, inhale, or swallow. Seek medical attention immediately.

Wear appropriate protective clothing such as laboratory overalls, safety glasses and gloves.

It is strongly advised that this product should be handled by people who have been well trained in laboratory techniques and that it is handled with care pursuant to the principles of good laboratory practice. All chemicals are deemed potentially harmful.

The vial is prone to fall over. Use caution, especially when the lid is off.



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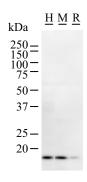
Background

The homeodomain-containing transcription factor NKX3A is a putative prostate tumor suppressor that is expressed in a largely prostate-specific and androgen-regulated manner. Loss of NKX3A protein expression is a common finding in human prostate carcinomas and prostatic intraepithelial neoplasia.[supplied by OMIM] [NCBI Entrez Gene Summary]

Recommended condition

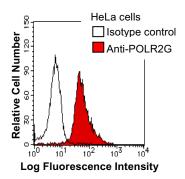
WB: 0.2-2 μg/ml FC: 0.5-2 μg/sample

Application



Detection of POLR2G by Western blot. Samples: Whole cell lysate from human HT-1080 (H, 25 $\mu g)$, mouse NIH3T3 (M, 25 $\mu g)$ and rat F2408 (R, 25 $\mu g)$ cells. [Lot No. 2781C2a-1]

Predicted molecular weight: 19 kDa



HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-POLR2G mAb (shaded) or isotype control (unshaded) followed by Alexa Fluor(R) 488-conjugated goat anti-mouse IgG. [Lot No. 2781C2a-1]