

Store at  
-20C  
#24847**NR2F6/EAR-2 (E7Q7G) Rabbit Monoclonal Antibody**
**Orders:** 877-616-CELL (2355)  
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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M	Endogenous	43	Rabbit IgG	#P10588	2063

**Product Usage Information****Application**Western Blotting  
Immunoprecipitation**Dilution**1:1000  
1:200**Storage**Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/mL BSA, 50% glycerol, and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibody.***Specificity/Sensitivity**

NR2F6/EAR-2 (E7Q7G) Rabbit Monoclonal Antibody recognizes endogenous levels of total NR2F6/EAR-2 protein.

**Source / Purification**

Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the amino terminus of human NR2F6/EAR-2 protein.

**Background**

NR2F6 (Nuclear receptor subfamily 2 group F member 6, EAR-2, COUP-TFIII) is a member of the NR2F family of transcription factors, defined by their role in the regulation of organogenesis, neurogenesis, and cellular differentiation during embryonic development (1,3). NR2F6 acts as a negative regulator for TRβ1-mediated transcriptional activity, a transcriptional repressor of IL-17 expression in Th-17 differentiated CD4<sup>+</sup> T cells, and a repressor of the NFAT/AP-1 complex on both the interleukin-2 and the interferon-γ cytokine promoters (2-5). NR2F6 has a non-redundant role in antagonizing anti-cancer effector T cell responses (5). It has been shown that loss of NR2F6 enhances the activity of established PD-L1 checkpoint blockade, promoting tumor regression and increased survival in mouse models (5,6).

**Background References**

- Ladiaz, J.A. et al. (1992) *J Biol Chem* 267, 15849-60.
- Zhu, X.G. et al. (2000) *Mol Cell Biol* 20, 2604-18.
- Hermann-Kleiter, N. et al. (2008) *Immunity* 29, 205-16.
- Hermann-Kleiter, N. and Baier, G. (2014) *Cell Commun Signal* 12, 38.
- Hermann-Kleiter, N. et al. (2015) *Cell Rep* 12, 2072-85.
- Klepsch, V. et al. (2018) *Nat Commun* 9, 1538.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key****W:** Western Blotting **IP:** Immunoprecipitation**Cross-Reactivity Key****H:** Human **M:** Mouse**Trademarks and Patents**

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