

**Table S2: Evaluation of antiviral activity of TDRD7 in various human and mouse cell types**

Cell line	Cell type	Tdrd7 expression	Approach	Virus	Used for
HeLa	Human epithelial	Yes, tested by qRT-PCR and IB, higher protein expression compared to ARPE19 (by IB)	KD	SeV HPIV3 RSV	High throughput screen and virus replication
ARPE19	Human retinal epithelial	Yes, tested by IB, low protein expression compared to HeLa (by IB)	KD	SeV	Virus replication and autophagy mechanism
HT1080	Human fibroblasts	Yes, tested by IB	KO	SeV	Virus replication and autophagy mechanism
HEK293T	Human epithelial	Not tested	Ectopic	SeV	Virus replication and autophagy mechanism
L929	Mouse fibroblasts	Yes, tested by qRT-PCR and IB, higher protein expression compared to LA4 (by IB)	KD (shRNA#1) and ectopic	SeV EMCV	Virus replication and autophagy mechanism
LA4	Mouse lung epithelial	Yes, tested by qRT-PCR and IB, low protein expression compared L929 (by IB)	KD (shRNA#1, #2) and ectopic	SeV	Virus replication
RAW264.7	Mouse macrophage	Yes, tested by qRT-PCR	KD (shRNA#1)	SeV	Virus replication and autophagy mechanism
MEF	Mouse embryonic fibroblasts	Yes, tested by qRT-PCR	KD (shRNA#1)	SeV	Virus replication