

TARGETING THE E3OME



Ubiquitination-modulating proteins and corresponding validated antibodies

Significance

Targeted Protein Degradation (TPD) technology offers new strategies for addressing "undruggable" targets, enhancing drug selectivity and efficacy, and overcoming resistance caused by protein mutations. However, the development of this technology faces several challenges:

Target Protein Detection

Finding More Effective E3 Ligases

Increasing Tissue Specificity

Mitigating Off-Target Effects

Strengths

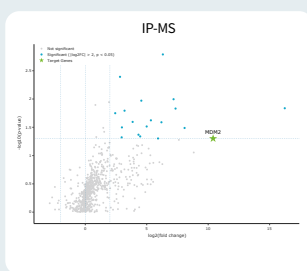
Leveraging our globally leading human protein library and state-of-the-art antibody development platform, Absea® has successfully developed more than 400 ubiquitination-modulating protein constructs, and corresponding IP and IHC verified antibodies for over 140 targets. We are actively advancing the "E3ome" program, to support TPD development by providing new opportunities to screen for suitable E3 ligases and characterize their substrate spectrum.

400+ Ubiquitination-modulating proteins

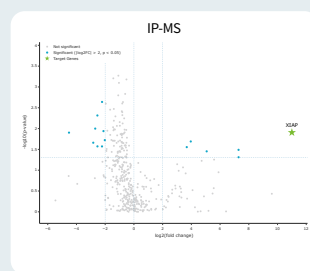
IP antibodies for over 70 targets

Exclusive Magnetic Bead-Conjugated E3 IP Antibodies

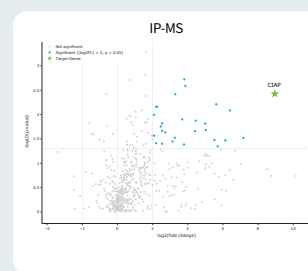
IP-MS Pullroven® Antibodies for Key E3 Ligases



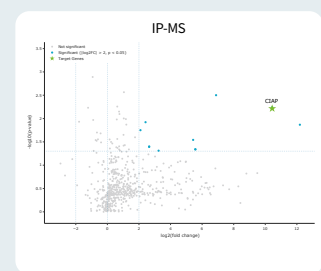
Cat # Target
KC-1056 MDM2



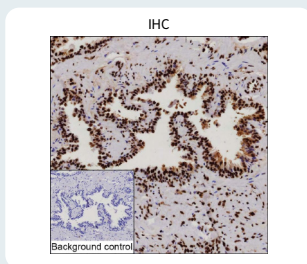
Cat # Target
KC-12248 XIAP



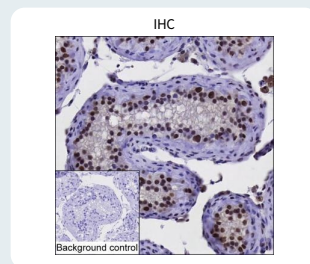
Cat # Target
KC-2398 CIAP



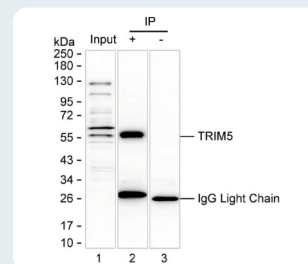
Cat # Target
OC-1152 CIAP



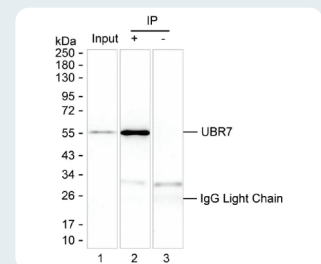
Cat # Target Tissue
OC-647 TRIM28 Prostate



Cat # Target Tissue
KC-1055 MDM2 Testis



Cat # Target
KC-1437 TRIM5



Cat # Target
KC-2182 UBR7

E3ome product list

Protein target	mAb (various applications)	mAb conjugated magnetic beads (IP)
AHR	ICC&WB	
AMFR	WB	
ANAPC7	WB	
ANKIB1	IHC	
APC	WB&IHC&ICC	
AREL1	IHC&IP&WB	√
ASB3	WB	
BARD1	WB	
BIRC2 (Pullroven®)	WB&IP&IP-MS	√
BIRC3	IP&WB	
BMI1	WB&ICC	
BRAP	IHC&IP&WB	√
BRCA1	IHC	
CBL	IHC&IP&WB	√
CBLB	WB	
CBLL2	IHC&IP&WB	
CDC27	IHC&IP&WB	
CDC34	WB	
CDCA3	WB	
CDH1	IHC&IP&WB	
CUL1	WB&ICC	
CUL4A	IHC&WB	
CUL5	IHC&IP&WB	√
CUL9	IHC&IP&WB	√
DDB1	WB&IHC&ICC	
DTL	IHC&WB	
DTX2	IHC&IP&WB	√
DTX3L	IHC&IP&WB	√
DZIP3	IHC	
E4F1	IHC	
EP300	IHC	
ERCC8	WB	
FBXL5	IHC	
FBXO34	IHC	
FBXO5	WB	
FBXW11	WB&IHC&IP	
HECTD2	IP&WB	
HECTD4	WB	

Protein target	mAb (various applications)	mAb conjugated magnetic beads (IP)
HECW1	IHC&IP&WB	
HECW2	IHC&IP&WB	
HERC4	WB	
HERC5	IHC&IP&WB	√
HLTF	WB&IHC&ICC	
IRAK1	WB	
IRAK4	WB&IHC&ICC	
ITCH	WB	
KEAP1 (Pullroven®)	WB&IHC&IP-MS	
KLHL41	WB&IHC	
LNX2	WB&IP	
LONRF2	IHC&IP&WB	√
LONRF3	IHC	
MAEA	WB	
MAGEA3	IHC&IP&WB	√
MALT1	WB	
MAP3K1	IHC&WB	
MDM2 (Pullroven®)	W3B&IHC&IP&IP-MS	√
MDM4	IP&WB	√
MEX3A	IHC&IP&WB	
MEX3C	IHC&IP&WB	
MEX3D	IHC&IP&WB	
MGRN1	IHC&IP&WB	
MIB1	WB	
MYLIP	WB	
NAT10	ICC&WB	
NEDD4	IHC&IP&WB	√
NFX1	IP&WB	
NSMCE1	IHC&IP&WB	
OBI1	IHC	
PDZRN4	IHC&WB	
PELI1	WB	
PELI3	IHC&WB	
PIAS2	WB	
PJA1	IHC&WB	
PJA2	IHC&WB	
PML	IHC&IP&WB	√
PPARG	WB	
PPIL2	IHC&IP&WB	√
PRKN	WB	

Protein target	mAb (various applications)	mAb conjugated magnetic beads (IP)
PRPF19	WB&IHC	
RACK1	IHC&WB	
RAD18	IHC&WB	
RAG1	IHC	
RBX1	WB&IHC&ICC	
RCHY1	WB	
RFPL2	WB	
RICTOR	IHC&WB	
RING1	WB	
RLF	WB	
RMND5A	IHC&IP&WB	√
RMND5B	IHC&WB	
RNF113A	IHC&IP&WB	
RNF113B	IHC&IP&WB	√
RNF115	IHC&WB	
RNF123	IHC&WB	
RNF133	IHC	
RNF135	IHC&WB	
RNF138	IHC&WB	
RNF139	WB	
RNF14	WB	
RNF146	IHC&IP&WB	√
RNF150	WB&IHC	
RNF169	IHC	
RNF19A	IHC	
RNF19B	IHC&IP&WB	
RNF2	IHC&WB	
RNF20	WB	
RNF207	IHC	
RNF212B	IHC	
RNF216	IHC	
RNF217	IHC	
RNF220	IHC	
RNF31	IHC&IP&WB	√
RNF32	IP&WB	√
RNF40	WB	
RNF43	WB	
RNF6	IHC&WB	
RNF7	WB	
RNF8	IP&WB	

Protein target	mAb (various applications)	mAb conjugated magnetic beads (IP)
SAG	IHC&IP&WB	
SCAF11	IHC	
SH3RF1	IP&WB	√
SHPRH	IHC&IP&WB	√
SKP1	WB&ICC	
SKP2	IHC&IP&WB	
SMURF1	WB	
SMURF2	WB	
SOCS2	WB	
SPOP	WB	
STUB1	IHC&WB	
TANK	IP&WB	√
TBL1X	IHC&WB	
TNFAIP3	IHC&ICC&WB&IP	
TRAF2	WB	
TRAF3	IHC&IP&WB	√
TRAF3IP2	WB	
TRAF4	WB	
TRAF6	IHC&WB	
TRAIP	IHC&IP&WB	
TRIM10	IHC&WB	
TRIM17	IHC&WB	
TRIM2	IHC	
TRIM21	IHC&WB	
TRIM23	WB	
TRIM24	WB	
TRIM25	IHC&IP&WB	√
TRIM28	IHC&IP&WB	
TRIM31	IHC&IP&WB	√
TRIM33	IHC&WB	
TRIM34	IHC&IP&WB	√
TRIM35	IHC	
TRIM36	IHC&WB	
TRIM38	IHC&IP&WB	
TRIM40	IHC	
TRIM41	IHC&WB	
TRIM43B	IP&WB	√
TRIM45	IHC&WB	
TRIM47	IHC&IP&WB	√
TRIM49	IHC&IP&WB	√

Protein target	mAb (various applications)	mAb conjugated magnetic beads (IP)
TRIM5	IHC&IP&WB	√
TRIM54	WB&IP	√
TRIM55	IHC&WB	
TRIM56	WB&IHC&ICC	
TRIM59	IP&WB	√
TRIM63	IHC&WB	
TRIM65	IP&WB	√
TRIM7	IHC&IP&WB	
TRIM72	IHC&IP&WB	√
TRIM73	IHC	
TRIM8	IHC	
TRIML1	IHC	
TRIML2	IHC&IP&WB	√
TTC3	IHC	
UBE3A	IHC&IP&WB	√
UBE4A	IHC&IP&WB	
UBE4B	ICC&WB	
UBR1	WB	
UBR2	WB	
UBR5	IHC&WB	
UBR7	IHC&IP&WB	√
UCHL1	IHC&IP&WB&ELISA	√
UHRF1	WB	
UHRF2	IHC&IP&WB	√
VPS11	WB	
VPS18	WB	
VPS41	WB	
VPS8	WB	
WDR59	IHC&WB	
WWP1	IP&WB	
WWP2	IP&WB	√
XIAP (Pullroven®)	WB&IHC&IP&IP-MS	√
ZC3IHC1	IHC&WB	
ZNF598	IP&WB	
ZNRF2	WB	
ZXDC	IHC&IP&WB	√