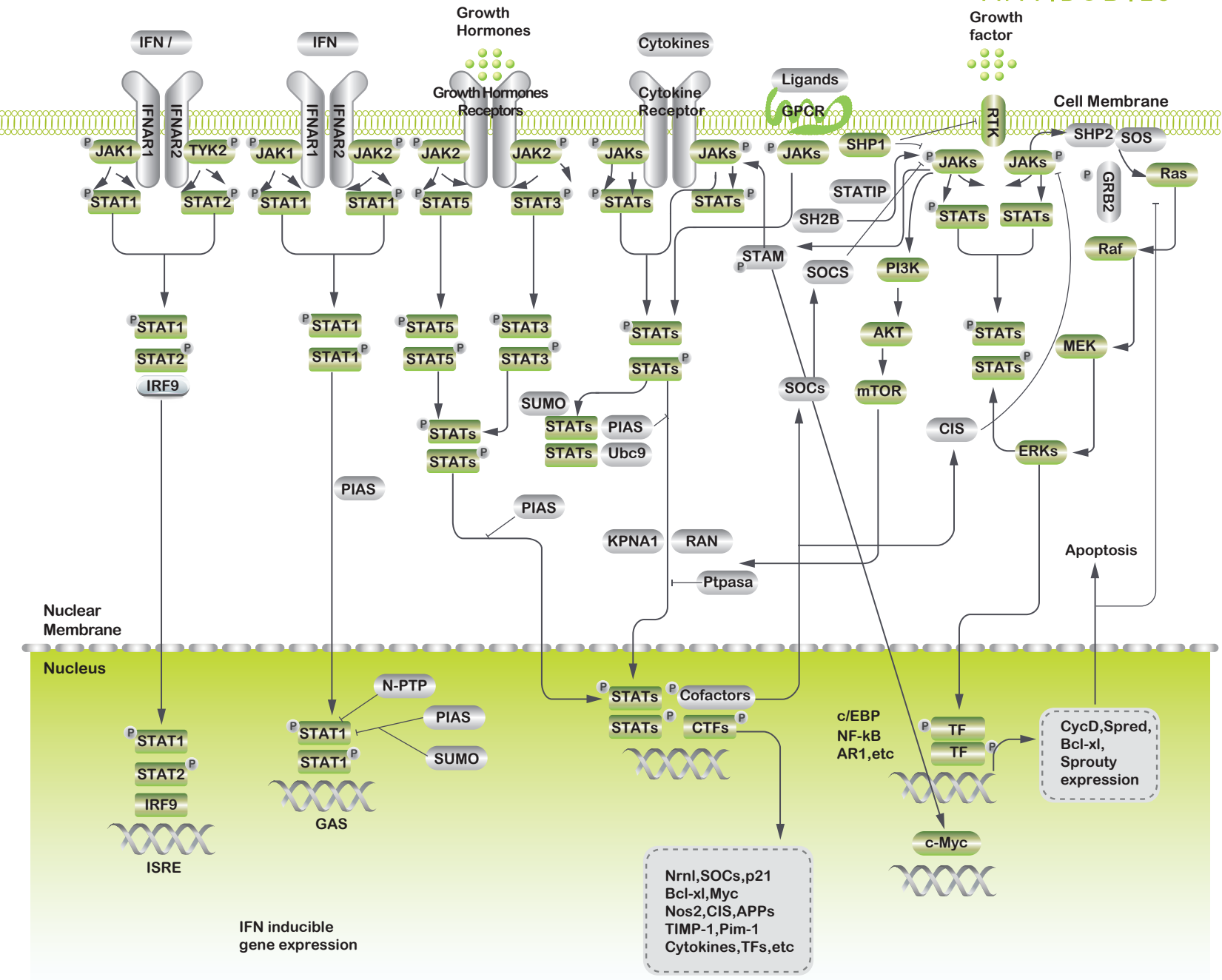


JAK/STAT Signaling



	IFNR	c family						c family		IL-6R (gp130) family			IL-10R family	
	IFN- α/β IFN- γ	IL-2, IL-4, IL-13, IL-15	IL-7	IL-9	IL-21	TLSP	IL-3, GM-CSF	IL-5	IL-6, IL-11, CNTF, CLF	CT-1, G-CSF, Leptin, LIF, OSM, IL-31			IL-10, IL-22	
JAK1	•	•	•	•	•	•	•	•	•	•	•	•	•	•
JAK2	•	•	•	•	•	•	•	•	•	•	•	•	•	•
JAK3	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TYK2	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT1	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT2	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT3	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT4	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT5	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT6	•	•	•	•	•	•	•	•	•	•	•	•	•	•

	Homodimeric Hormone Receptors			IL-10R family											
	Growth Hormone, Prolactin	EPOR	TPOR	AGTR-1	5-HT2A	PAR 1,3,4	PAFR	ADRA	CCR1	CCR2	CCR5	CXCR4			
JAK1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
JAK2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
JAK3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TYK2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
STAT6	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

IFNR: Interferon Receptor; γ c family: Common gamma Chain Receptor Family; β c family: Common gamma Chain Receptor Family; IL-6R: IL-6 Receptor; IL-10R: IL-10 Receptor; TLSP: Thymic Stromal Lymphopoietin; GM-CSF: Granulocyte-Macrophage Colony Stimulating Factor; CNTF: Ciliary neurotrophic factor; CLF-1: Cytokine-like factor 1; CLC: Cardiostrophin-like cytokine; G-CSF: granulocyte-colony stimulating factor; CT-1: Cardiostrophin-1; LIF: Leukemia Inhibitory Factor; OSM: Oncostatin M

EPOR: Erythropoietin Receptor; Tpo R: Thrombopoietin Receptor; AGTR-1: The Angiotensin II Receptor, Type 1; 5-HT2A: 5-hydroxy-tryptamine(Serotonin) 2A Receptor; PAR: Proteinase-Activated Receptor; PAFR: Platelet-activating Factor Receptor; ADRA: Adrenoceptor Alpha; CCR: chemokine (C-C motif) receptor 5; CXCR: chemokine (C-X-C motif) receptor 4

Key Products for JAK-STAT Signaling

Target Name	Cat.No.	Reactivity	Applications	Citations
IFNAR1	bs-4116R	Human,Mouse,Rat	WB,IHC-P,FCM	
Phospho-IFNAR1 (Ser535+Ser539)	bs-5457R	Human,Mouse,Rat	WB,FCM	
CD25/IL2 Receptor alpha	bs-0577R	Human,Mouse,Rat	WB,FCM	PubMed
CD123/IL3 Receptor alpha	bs-2600R	Human,Mouse,Rat	FCM	
CD130/IL6 Receptor beta	bs-1459R	Human,Mouse,Rat	WB,IHC-P,FCM,IF	
Phospho-CD130/gp130 (Ser782)	bs-10122R	Human,Mouse,Rat	WB,IHC-P	
IL15 Receptor alpha	bs-2605R	Human,Mouse,Rat	WB,IHC-P	PubMed
IL-17 Receptor alpha	bs-2606R	Human,Mouse,Rat	WB,IHC-P	PubMed
Leptin Receptor	bs-0961R	Human,Mouse,Rat	WB,IHC-P,FCM	
CNTF Receptor alpha	bs-21991R	Human,Mouse,Rat	WB,IHC-P	
LIF Receptor	bs-1458R	Human,Mouse,Rat	WB,IHC-P,FCM	PubMed
CCR1/CD191	bs-1169R	Human,Mouse,Rat	WB,IHC-P	
CCR2	bs-0562R	Human,Mouse,Rat	ELISA,IHC-P,FCM	PubMed
CCR5	bs-2514R	Human,Mouse,Rat	WB,IHC-P,FCM,IF	PubMed
CXCR4	bs-1011R	Human,Mouse,Rat	WB,IHC-P,FCM	PubMed
JAK1	bs-1439R	Human,Mouse,Rat	WB,IHC-P	
JAK1	bsm-33268M	Human,Mouse,Rat	WB,IHC-P	
Phospho-Jak1 (Tyr1034 + Tyr1035)	bs-3238R	Human,Mouse,Rat	WB,FCM	PubMed
JAK2	bs-23003R	Human,Mouse,Rat	WB,IHC-P	
JAK2	bs-0908R	Human,Mouse,Rat	IHC-P,FCM	PubMed
Phospho-JAK2 (Tyr221)	bs-3206R	Human,Mouse,Rat	WB,IHC-P	PubMed
Phospho-JAK2 (Tyr1007+Tyr1008)	bsm-52171R	Human,Mouse,Rat	WB,IHC-P	
JAK3	bs-2808R	Human,Mouse,Rat	WB,IHC-P,FCM	PubMed
Phospho-Jak3 (Tyr785)	bs-20168R	Human,Mouse,Rat	WB,IHC-P	
TYK2	bs-6662R	Human,Mouse,Rat	WB	
Phospho-Tyk2 (Tyr1054 + Tyr1055)	bs-3437R	Human,Mouse,Rat	WB,IHC-P	
STAT1	bs-9584R	Human,Mouse,Rat,	WB,IHC-P	
Phospho-STAT1 (Ser727)	bs-5616R	Human,Mouse,Rat	WB,IHC-P,FCM	
Phospho-STAT1 (Tyr701)	bs-1657R	Human,Mouse,Rat	WB,IHC-P	
STAT2	bs-1140R	Human,Mouse,Rat	WB,IHC-P	
Phospho-Stat2 (Tyr690)	bs-3428R	Human,Mouse,Rat	WB,IHC-P	
STAT3	bsm-33223M	Human,Mouse,Rat	WB,IHC-P	PubMed
Phospho-STAT3 (Ser727)	bsm-52210R 外购抗体	Human,Rat	WB,IHC-P,FCM	
Phospho-STAT3 (Tyr705)	bs-22386R	Human,Mouse	WB,IHC-P	
STAT4	bsm-52236R	Human,Mouse,Rat	WB,IHC-P	
Phospho-Stat4 (Tyr693)	bs-3430R	Human,Mouse,Rat	WB,IHC-P	
STAT5	bs-21443R	Human,Mouse	WB,IHC-P	
Phospho-STAT5b (Ser731)	bs-5703R	Human,Mouse,Rat	WB,FCM	
Phospho-STAT5a (Ser726)	bs-5619R	Human,Mouse,Rat	WB,IHC-P	
Phospho-STAT5a (Ser780)	bs-5620R	Human,Mouse,Rat	WB,IHC-P	
Phospho-STAT5a(Tyr694)	bs-1659R	Human,Mouse,Rat	WB	

WB=Western Blot; IHC-P=Immunohistochemistry with Paraffin-Embedded Tissue Slides; IF=Immunofluorescence; FCM=Flow cytometry